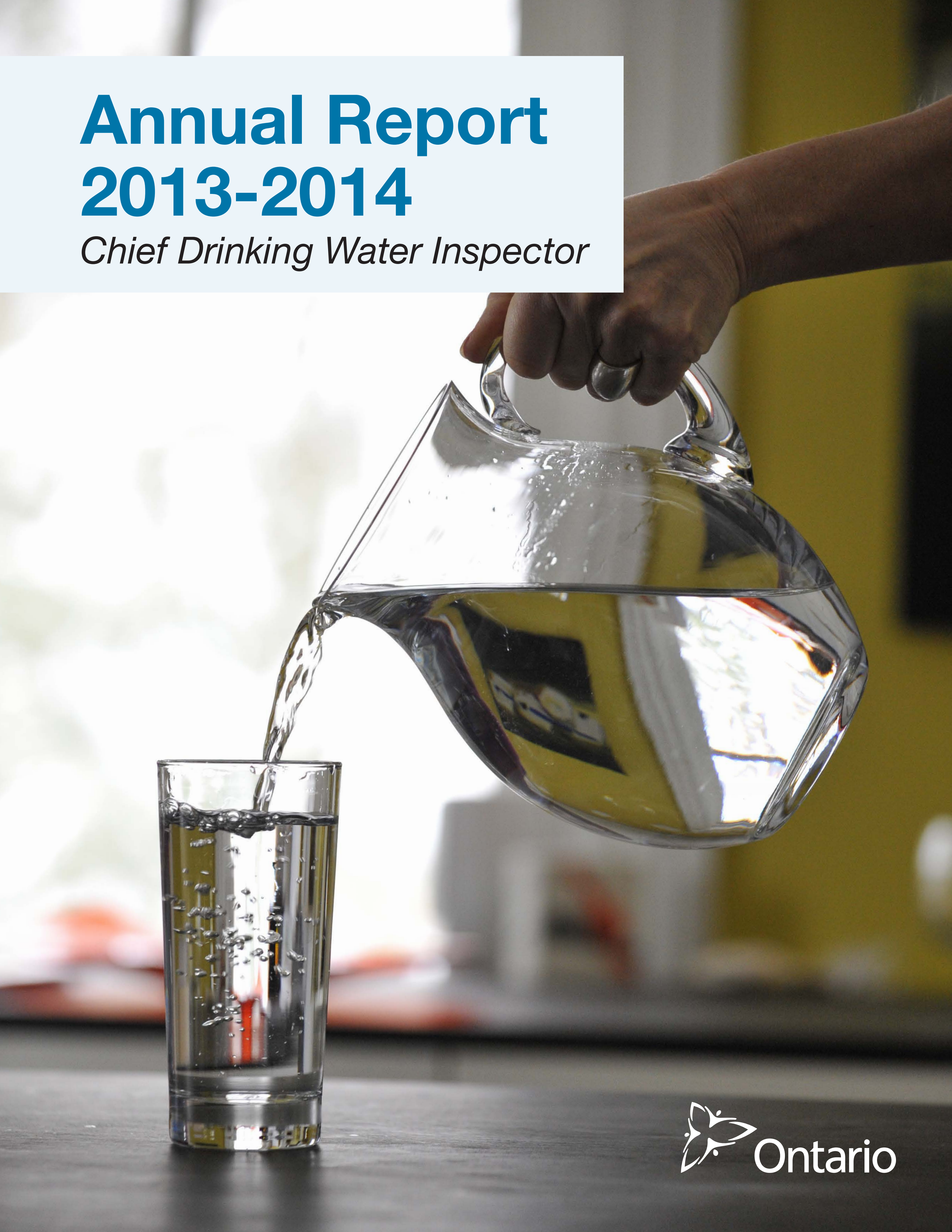
Annual Report 2013-2014

Chief Drinking Water Inspector



Ontario

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For news and information on Ontario's drinking water, email ***drinking.water@ontario.ca*** with "subscribe" in the subject line.

Message from the Chief Drinking Water Inspector

I am pleased to present the 2013-2014 annual drinking water report for Ontario.

The report contains information on how Ontario's regulated drinking water systems and laboratories are performing, drinking water test results, and the ministry's enforcement activities and programs. The results reinforce our commitment to providing high quality drinking water and illustrate continued performance improvement and overall systems ratings.

Our programs and legislative requirements form the foundation of Ontario's safety net. Together, these comprehensive measures and regulations help ensure the safety of drinking water in Ontario. The consistency of drinking water test results for our regulated systems indicates they continue to provide high quality drinking water to the people of Ontario. In 2013-14:

- **99.83 per cent of more than 527,000 drinking water test results from municipal residential drinking water systems met Ontario's strict drinking water quality standards.**

Likewise, high inspection ratings for these systems and laboratories that analyse our drinking water samples demonstrate that they continue to meet the Province's regulatory requirements:

- **99.4 per cent of inspections of municipal residential drinking water systems resulted in inspection ratings higher than 80 per cent, and 72 per cent scored 100 per cent — a four per cent improvement since 2012-13**.

In this report, you will also find a message from Ontario's Interim Chief Medical Officer of Health, Dr. David Mowat, and an update on the performance of the small drinking water systems regulated by the Ministry of Health and Long-Term Care.

To learn more about how your drinking water is protected from source-to-tap visit ***www.ontario.ca/drinkingwater.***

Susan Lo,
Chief Drinking Water Inspector
Ministry of the Environment and Climate Change

Protecting Ontario's Drinking Water

Source Water Protection

The source protection program, administered under the Clean Water Act, requires communities in Ontario to design source protection plans that identify potential risks to drinking water sources and develop strategies to reduce or eliminate these risks.

The 19 community-based source protection committees with representation from municipalities, First Nations, farmers, industry and the general public have collaborated to produce these watershed-based source protection plans. These plans are built on scientific research that will protect the sources of over 450 municipal drinking water systems across Ontario.

All 22 source protection plans have been submitted to the Minister of the Environment and Climate Change for approval and as of January 30, 2015, 13 of these plans have been approved:

- Ausable Bayfield Maitland Valley Source Protection Plans
- Cataraqui Source Protection Plan
- Catfish Creek Source Protection Plan
- Kettle Creek Source Protection Plan
- Lakehead Source Protection Plan
- Mattagami Source Protection Plan
- Mississippi-Rideau Source Protection Plan
- Niagara Peninsula Source Protection Plan
- Quinte Region Source Protection Plan
- Raisin-South Nation Source Protection Plan
- South Georgian Bay Lake Simcoe Source Protection Plans
- Sudbury Source Protection Plan
- Trent Conservation Coalition Source Protection Plans

The remaining plans are on track for approval by the end of 2015.

Ontario's Drinking Water Report Card

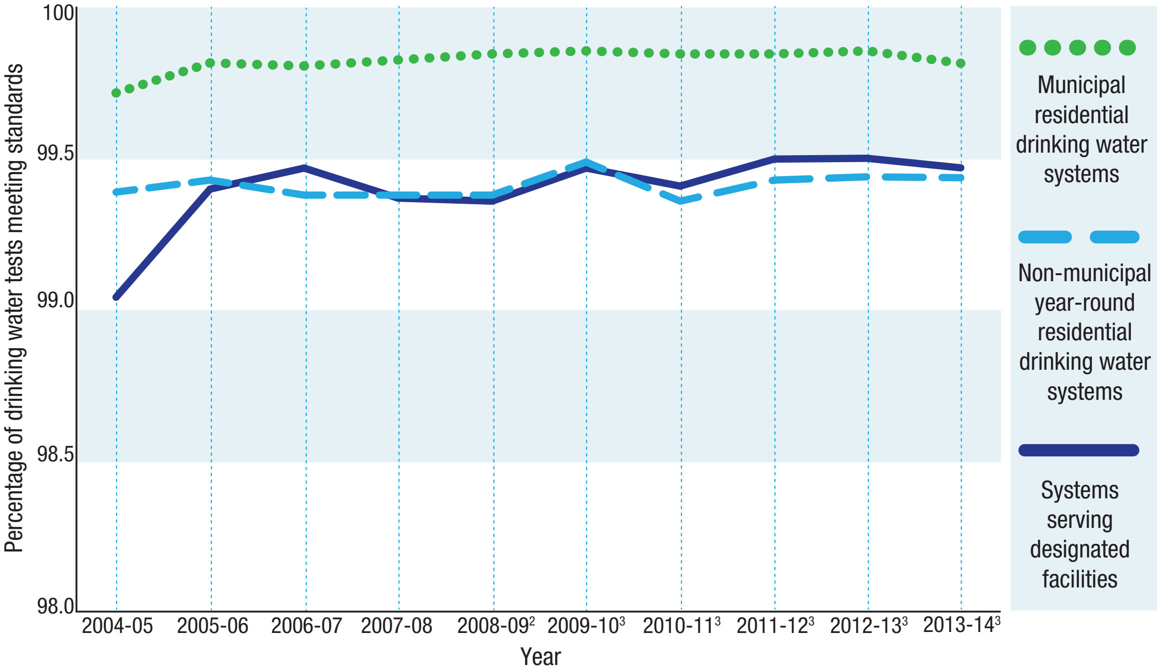
Drinking Water Quality Results

In 2013-14, 99.8 per cent of 638,190 drinking water tests from regulated drinking water systems met Ontario's Drinking Water Quality Standards. For further details see **appendix 1**.

- **99.83** per cent of the 527,278 drinking water tests from 660[1] **municipal residential drinking water systems** met the standards
- **99.46** per cent of 42,461 tests from 438 **non-municipal year-round residential systems** met the standards
- **99.49** per cent of 68,451 tests from 1,376 **systems serving designated facilities** met the standards

[1] There were 665 municipal residential drinking water systems in 2013-14. Five systems that received their water from another municipal residential drinking water system had their samples represented within the samples collected and submitted by municipal residential drinking water systems that supplied water to them.

Figure 1: Trends in percentage of drinking water tests meeting Ontario Drinking Water Quality Standards, by type of facility[1]



1 There were slight variations in the methods used to tabulate the percentages year-over-year due to regulatory changes and different counting methods.
2 Lead results were not included as they were reported separately.
3 Lead distribution results were included and lead plumbing results were reported separately.

Drinking Water Quality Standards

Ontario's drinking water must meet 158 strict health-based standards for microbiological, chemical and **radiological parameters**. These standards are listed in ***O. Reg. 169/03*** of the Safe Drinking Water Act.

Drinking Water Quality Standards and Test Results

Microbiological Standards and Test Results

The presence of microbiological organisms such as **total coliforms** and ***Escherichia coli (E. coli)*** in drinking water could result in serious health problems. If total coliform or *E. coli* is positively confirmed, an adverse water quality incident is deemed to have occurred and the owner and/or operator of the drinking water system must take immediate corrective action.

The percentage of drinking water test results meeting microbiological standards over the past 10 years has remained stable and consistently high.

Table 1: Percentage of test results from municipal residential drinking water systems meeting Ontario's Drinking Water Quality Standards, for *E. coli* by year

Year	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Percentage of drinking water tests meeting standards for *E. coli*	99.97	99.99	99.98	99.99	99.98	99.99	99.99	99.98	99.98	99.98

Table 2: Breakdown of microbiological test results in 2013-14

Drinking water facility type	Parameter	Number of test results	Number of test results meeting standards	Number of adverse test results	Number of systems submitting test results[1]	Number of systems with adverse test results
Municipal residential systems	*E. coli*	235,303	235,260	43	656	33
	Total coliform	235,392	234,719	673	656	187
Non-municipal year-round residential systems	*E. coli*	15,683	15,658	25	438	16
	Total coliform	15,684	15,550	134	438	81
Systems serving designated facilities	*E. coli*	21,077	21,040	37	1,348	15
	Total coliform	21,079	20,873	206	1,348	121

1 Regulatory requirements for testing vary by category and source of water and are identified in O. Reg. 170/03.

Chemical and Radiological Standards and Test Results

Ontario's drinking water quality standards establish the maximum allowable concentration of chemicals that can be present in drinking water. Some adverse chemical test results may be due to naturally occurring deposits such as barium, fluoride and/or selenium.

Parts of the province also contain naturally occurring deposits of **radiological parameters** such as uranium. In these areas, regular drinking water testing is required to monitor the level of these parameters in water.

Table 3: Number of chemical standard adverse test results by type of facility in 2013-14[1]

Parameter	Number of adverse test results	Number of systems with adverse test results
Municipal residential drinking water systems		
Total # of systems submitting results		658
Bromate	11	2
Fluoride[2]	88	23
Lead[3]	28	21
Nitrate (as nitrogen)	5	3
Nitrate + nitrite (as nitrogen)	5	3
Selenium[2]	7	1
Total trihalomethanes[4]	38	18
Uranium[2]	1	1
Non-municipal year-round residential drinking water systems		
Total # of systems submitting results		394
Arsenic	1	1
Benzo(a) pyrene	1	1
Fluoride[2]	6	4
Nitrate (as nitrogen)	22	6
Nitrate + nitrite (as nitrogen)	22	6
Total trihalomethanes[4]	17	6
Systems serving designated facilities		
Total # of systems submitting results		1,298
1,2-dichloroethane	1	1
Barium[2]	2	1
Fluoride[2]	21	10
Lead	4	3
Nitrate (as nitrogen)	37	12
Nitrate + nitrite (as nitrogen)	37	12
Trichloroethylene	2	2
Uranium[2]	5	2

1 Sampling frequency varies according to regulated requirements and facility type.

2 In some parts of the province, there are naturally-occurring deposits of barium, fluoride, selenium and uranium that may result in adverse test results.

3 The lead parameter did not include lead sampled in plumbing for municipal residential drinking water systems; however, lead sampled in the distribution system was included.

4 Total **trihalomethanes** are reported as the running annual average of quarterly samples.

Table 4: Percentage of test results meeting Ontario Drinking Water Quality Standards by type of system

Drinking water facility type	Parameter	2011-12 % meeting standards	2012-13 % meeting standards	2013-14 % meeting standards
Municipal residential systems[3]	Microbiological[1]	99.89	99.90	99.85
	Chemical[2]	99.69	99.76	99.68
	Radiological	100.00	100.00	100.00
	TOTAL	**99.87**	**99.88**	**99.83**
Non-municipal year-round residential systems[3]	Microbiological[1]	99.46	99.52	99.49
	Chemical[2]	99.43	99.34	99.38
	TOTAL	**99.45**	**99.47**	**99.46**
Systems serving designated facilities[3]	Microbiological[1]	99.40	99.49	99.42
	Chemical[2]	99.67	99.67	99.59
	TOTAL	**99.52**	**99.57**	**99.49**

[1] Microbiological includes only *E. coli* and total coliform results.

[2] Lead plumbing results were not included in chemical analysis; however, lead distribution results were included. See **Table 7** for additional details about lead in plumbing.

[3] **Radiological parameters** are tested in drinking water systems where directed by the ministry.

Table 5: Summary of drinking water test results for all facility types in 2013-14

Drinking water facility type	Parameter	Number of test results	Number of test results meeting standards	Number of adverse test results	Percentage of adverse test results	Number of systems submitting test results[1]	Number of systems with adverse test results[2]
Municipal residential systems[5]	Microbiological[3]	470,695	469,979	716	0.15	656	187
	Chemical[4]	56,580	56,397	183	0.32	658	69
	Radiological	3	3	0	0.00	1	0
	TOTAL	**527,278**	**526,379**	**899**	**0.17**	**660**	**234**
Non-municipal year-round residential systems[5]	Microbiological[3]	31,367	31,208	159	0.51	438	81
	Chemical[4]	11,094	11,025	69	0.62	394	18
	TOTAL	**42,461**	**42,233**	**228**	**0.54**	**438**	**96**
Systems serving designated facilities[5]	Microbiological[3]	42,156	41,913	243	0.58	1,348	121
	Chemical	26,295	26,186	109	0.41	1,298	31
	TOTAL	**68,451**	**68,099**	**352**	**0.51**	**1,376**	**148**

[1] Regulatory requirements for testing vary by category and source of water and are identified in O. Reg. 170/03.

[2] A single system could have adverse test results for multiple parameters. This type of system is counted only once when calculating the total number of systems with adverse results.

[3] Microbiological includes only *E. coli* and total coliform results.

[4] Lead plumbing results were not included in this analysis; but, lead distribution results were included. See **Table 7** for additional details about lead in plumbing.

[5] Radiological parameters are tested in drinking water systems where directed by the ministry.

Adverse Water Quality Incidents and Corrective Actions

If a drinking water test result indicates a drinking water quality standard has not been met, or if an operational problem such as insufficient disinfection, high turbidity or equipment problems takes place in a drinking water facility, an adverse water quality incident (AWQI) is deemed to have occurred. It is important to note that the report of an AWQI does not necessarily mean the drinking water is unsafe; it indicates that an incident has occurred and that corrective action must be taken.

Table 6: Summary of adverse water quality incidents by drinking water facility type

	2011-12	2012-13	2013-14
Municipal residential systems			
# of Systems submitting test results	671	661	660
# of Systems with AWQIs	389	381	402
# of AWQIs	1,402	1,446	1,573
# of Results within AWQIs[1]	1,603	1,700	1,920
Non-municipal year-round residential systems			
# of Systems submitting test results	429	434	438
# of Systems with AWQIs	180	179	181
# of AWQIs	412	359	401
# of Results within AWQIs[1]	489	415	511
Systems serving designated facilities			
# of Systems submitting test results	1,426	1,389	1,376
# of Systems with AWQIs	476	390	309
# of AWQIs	736	625	493
# of Results within AWQIs[1]	828	740	623

[1] An AWQI may occur as a result of a single issue or multiple issues such as presence of microbiological or chemical parameters and/or operational issues.

Drinking Water Advisories

The local health unit may issue a **drinking water advisory** if there is concern that the water may not be safe for the public to drink. Some factors that could trigger an advisory include a broken watermain, low water pressure, microbiological parameters in the water, low disinfectant levels or equipment failure at a drinking water system.

In 2013-14, there were two **municipal residential drinking water systems** with long-term drinking water advisories:

1. Richmond Community Drinking Water System, located near St. Thomas, had a long-term drinking water advisory due to high nitrate levels in the source water. They have installed a treatment system to help lower the nitrate levels below the standard and are monitoring drinking water monthly. As the treatment process to remove the nitrate leads to high concentrations of sodium in drinking water, a second advisory has been issued to address the high concentrations of sodium.

2. Lynden Drinking Water System, located near Hamilton, continues to have a long-term drinking water advisory due to lead in their drinking water. The advisory was issued to prevent potential long-term exposure to elevated concentrations of lead. According to the local medical officer of health, the current level of lead exposure does not represent an immediate health risk to residents. The affected residents continue to be offered on-tap filters that are certified to remove lead. Studies to identify the source of the lead and options to address the issue are ongoing.

Lead Action Plan

The ministry's Lead Action Plan sets sampling, flushing and testing requirements to help minimize lead in drinking water. Regulated drinking water systems, schools and day nurseries must submit drinking water samples to laboratories to test for lead.

Lead Testing Results for Municipal Residential and Non-Municipal Year-Round Residential Systems

All municipal residential and **non-municipal year-round residential drinking water systems** are required to collect samples from homes (i.e. plumbing) and submit them to laboratories to test for lead.

In 2013-14, lead test results from these regulated systems indicate the vast majority of them continue to meet the provincial standard for lead in drinking water.

Table 7: Summary of drinking water test results for lead in plumbing for municipal residential drinking water systems and non-municipal year-round residential drinking water systems in 2013-14

Drinking water facility type[1]	Parameter	Number of results	Number of lead exceedances	Number of systems submitting results[2]	Number of systems with lead exceedances
Municipal residential systems	Lead in plumbing[3]	6,007	439	87	29
Non-municipal year-round residential systems	Lead in plumbing[3]	1,339	2	123	2

1 Systems serving designated facilities are exempt from this requirement.
2 Regulatory requirements for testing vary by category and water source and are identified in O. Reg. 170/03.
3 Samples are taken after system is flushed.

Table 8: Comparison of drinking water test results for lead in plumbing meeting standards for municipal residential drinking water systems and non-municipal year-round residential drinking water systems

Drinking water facility type[1]	2011-12 % meeting standards	2012-13 % meeting standards	2013-14 % meeting standards
Municipal residential systems	96.96	95.23	92.69
Non-municipal year-round residential systems	98.82	98.95	99.85

1 Systems serving designated facilities are exempt from this requirement.

Lead Testing Results for Schools and Day Nurseries

Schools and day nurseries must also test their drinking water regularly for lead. They are also required to regularly flush their plumbing. Flushing reduces potential exposure to lead in drinking water because it prevents water from standing in the plumbing for too long, thereby reducing contact time with the pipes and plumbing. These facilities are required to sample their drinking water before and after they flush their plumbing.

Year after year, lead test results from schools and day nurseries indicate that flushing significantly reduces lead in drinking water.

Table 9: Year-over-year comparison of lead test results meeting Ontario Drinking Water Quality Standard for schools and day nurseries under O. Reg. 243/07

Parameter	2011-12 % meeting standards	2012-13 % meeting standards	2013-14 % meeting standards
Lead – Flushed	95.93	96.74	97.49
Lead – Standing	89.01	90.79	91.90

Table 10: Test results for schools and day nurseries under O. Reg. 243/07 in 2013-14

Parameter	Number of results	Number of lead exceedances	Number of schools and day nurseries submitting results[1]	Number of schools and day nurseries with lead exceedances
Lead – Flushed	8,598	216	6,981	141
Lead – Standing	8,546	692	6,981	539

1 Facilities that share the same plumbing system, known as co-located facilities, may submit a single set of samples. There are allowances for facilities to reduce sampling frequency to every 36 months from the required annual testing, based on a sufficient number of samples and satisfactory test results.

Corrosion Control for Municipal Residential Drinking Water Systems

Owners and/or operating authorities of **municipal residential drinking water systems** that serve more than 100 private residences must develop corrosion control plans if:

- More than 10 per cent of the samples from homes (i.e. plumbing) confirm lead concentrations greater than the standard of 10 micrograms per litre in two out of three sampling rounds.
- In those two rounds, at least two sample results exceed the standard.

In 2013-14, no additional owners/operators had to prepare corrosion control plans. The 20 municipalities that previously were required to prepare plans, continue to make significant progress to help address lead issues:

- Eleven municipalities are implementing their plans.
- Six are pursuing alternative lead control strategies, such as replacing lead service lines.

Of the remaining municipalities:

- Arnprior completed modifications to its treatment process, undertook additional community lead sampling and will be submitting a corrosion control plan to the ministry.
- Brantford is pursuing an alternative lead control strategy to replace lead service lines.
- Sault Ste. Marie's corrosion control plan is on hold while the city is evaluating additional actions and/or upgrades to their water treatment process and system.

For further details see **appendix 2**.

Inspecting Drinking Water Systems and Issuing Orders

Municipal Residential Drinking Water Systems

Municipal residential drinking water systems are inspected annually by the ministry to determine whether they are meeting Ontario's regulatory requirements.

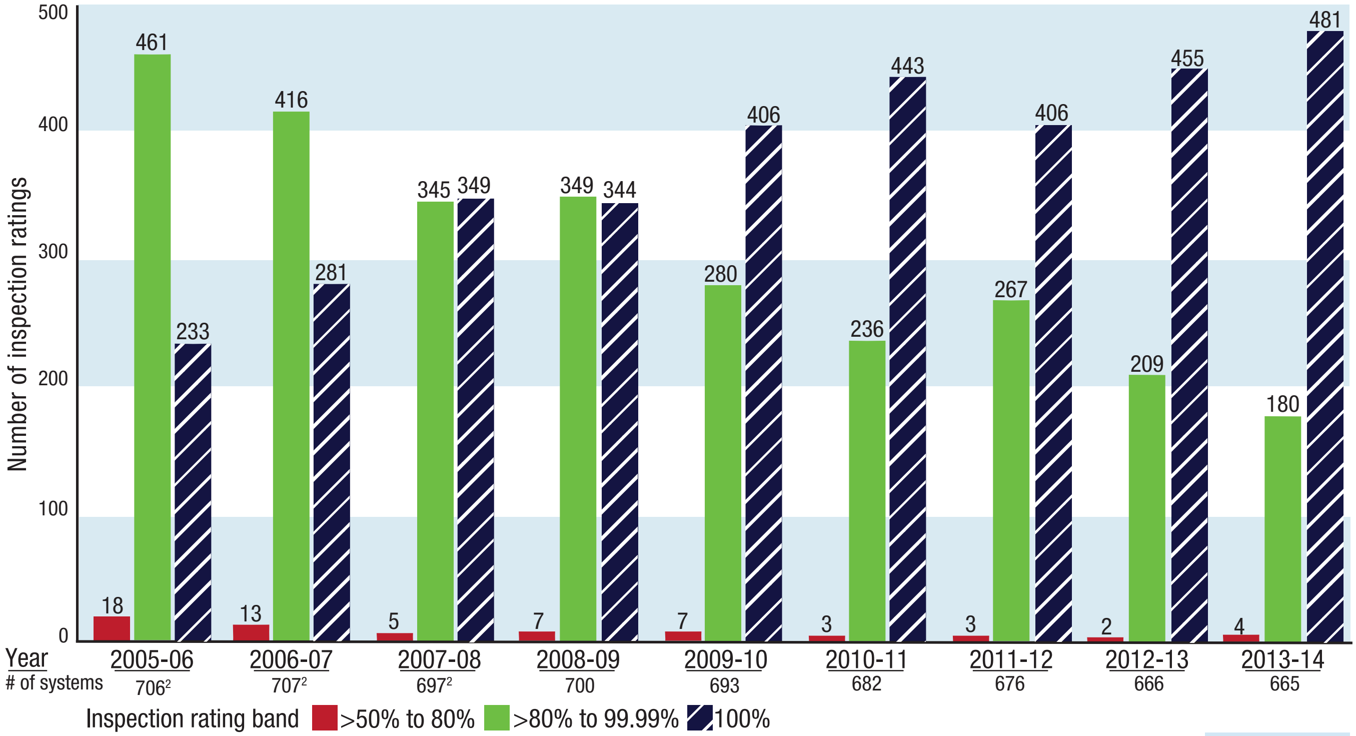
Inspection Results

In 2013-14, ministry staff inspected 665 municipal residential drinking water systems. At least one out of every three inspections was unannounced. Of these, 481 systems (or 72 per cent) received a perfect score (100 per cent rating). That is four per cent higher than results from 2012-13.

Six hundred and sixty-one of the 665 (or 99.4 per cent) inspections resulted in inspection ratings of 80 per cent or higher.

For further details see **appendix 1**.

Figure 2: Yearly comparison of municipal residential drinking water system inspection ratings[1]



[1] The decline in the total number of municipal residential drinking water systems is due to amalgamations of these systems.

[2] Between 2005-06 and 2007-08 the ministry completed its planned annual inspection program of all municipal residential drinking water systems in Ontario generating its annual inspection rating for each system. During this period, for a number of reasons some systems were inspected twice, e.g., to capture both their treatment works and distribution systems or to ensure equipment had been properly decommissioned.

Orders and Order Resolutions

Ministry inspectors may issue orders to resolve and/or prevent non-compliance at a drinking water system. These **contravention** and/or **preventative measures orders** can be issued as the result of inspections, in response to incidents identified outside of an inspection or to prevent incidents from occurring.

In 2013-14, orders were issued to three **municipal residential drinking water system** owners and/or operators. All have complied with their order requirements:

- Two contravention orders were issued to two systems after inspections for:
  - not ensuring that a licensed operator was present when work was being performed in a distribution system
  - not submitting a review of the operation of alarms
- One preventative measures order was issued to one system to allow the operator to manually monitor the residual chlorine when computer system upgrades prevented continuous monitoring.

Individuals who are responsible for delivering safe drinking water to the people of Ontario are held legally accountable for their actions. As such, ministry inspectors may refer violations of Ontario’s environmental laws, such as the Safe Drinking Water Act, to the ministry’s Investigations and Enforcement Branch for further action.

Table 11: Municipal residential drinking water systems that received orders

Systems with inspection-related orders	2011-12	2012-13	2013-14
Total number of inspections of municipal residential drinking water systems	676	666	665
Total number of municipal residential drinking water systems with inspection-related orders	6	2	2
Systems with non-inspection-related orders[1]	1	7	1
Total	7	9	3

[1] Non-inspection-related orders are issued as a result of an issue at a drinking water system that occurred outside of the context of a scheduled inspection.

For further details on these orders, please see **appendices 3** and **4**.

Non-municipal Year-Round Residential Drinking Water Systems and Systems Serving Designated Facilities

The ministry uses a proactive, risk-based approach when determining which of these systems to inspect. Staff also take into consideration a system's compliance history, how many AWQIs and why, as well as recommendations from local public health units.

Inspection Results and Orders

In 2013-14, ministry staff inspected 120 of the 453[1] registered **non-municipal year-round residential drinking water systems** and issued four **contravention** and two **preventative measures orders** to six systems.

Additionally, 283 of 1,496[2] registered **systems serving designated facilities** were inspected. Eight contravention orders were issued to eight systems.

Orders were issued for the following reasons:

- Not operating a drinking water system with a certified operator
- Not meeting minimum treatment requirements
- Not sampling raw water for microbiological parameters according to legislation

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[1] In 2013-14, some non-municipal year-round residential drinking water systems ceased to operate and/or data was not provided to the ministry.

[2] The number of designated facilities that were registered in 2013-14 was less than those that submitted samples for the following reasons: some systems ceased to operate and/or data was not provided to the ministry, while some received drinking water for their cistern from municipal residential drinking water systems which carried out the required sampling on their behalf. Sampling was not required for those systems that posted notices advising people not to drink the water.

Local Services Boards

There are seven **local services boards** in Ontario that operate drinking water systems in northern communities without municipal government structures. The ministry inspected all of them in 2013-14 and no orders were issued.

Schools and Day Nurseries

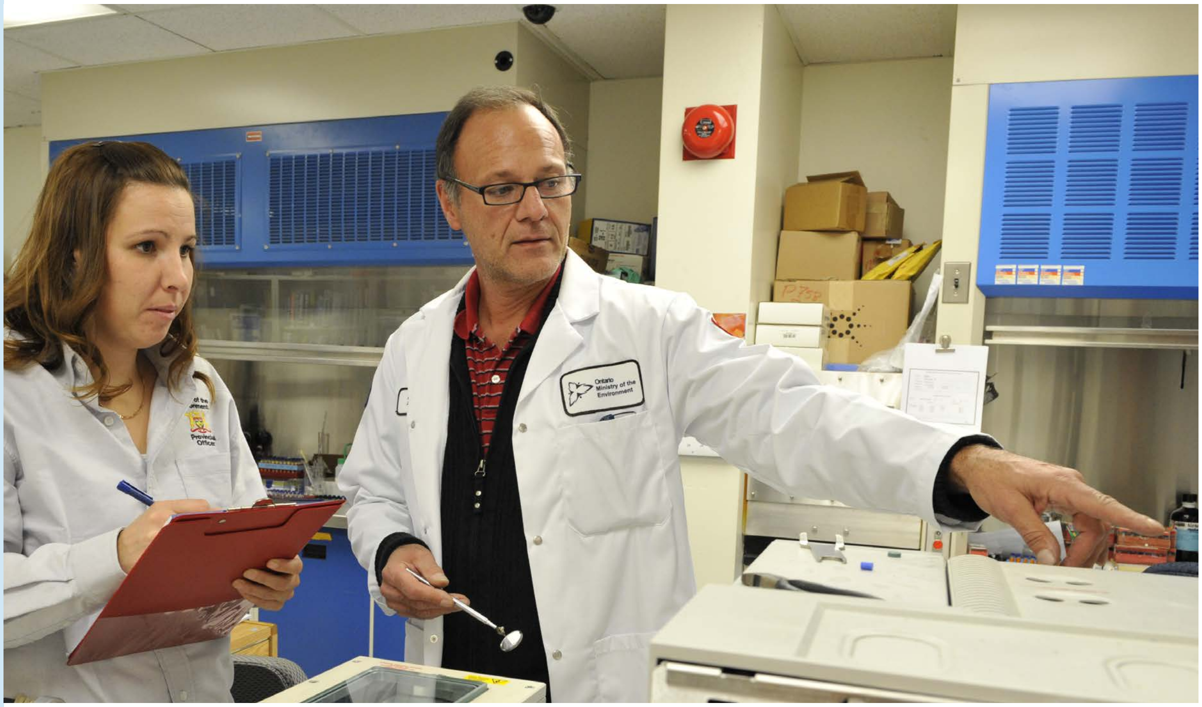
Registered schools and day nurseries, whether connected to a municipal drinking water system or not, are inspected by ministry staff to help reduce the risk of children being exposed to lead in drinking water. As with non-municipal year-round residential systems, the ministry uses a risk-based approach to determine which facilities should be inspected.

In 2013-14, the ministry conducted 376 inspections and 149 compliance audits of 10,999 registered schools and day nurseries.

The majority of Ontario schools and day nurseries regulated under ***O. Reg. 243/07*** do not have excess lead in their drinking water

In 2013-14, no orders were issued to schools or day nurseries.

Inspecting Licensed and Eligible Laboratories



Ontario laboratories that test drinking water must be accredited by an accreditation body and licensed by the ministry. The ministry also uses laboratories that are located outside the province. For these laboratories to test Ontario's drinking water, they too must be appropriately accredited and added to the ministry's eligibility list.

All licensed and eligible laboratories are inspected by the ministry at least twice every year to determine whether they are meeting regulatory requirements.

All 52 of Ontario's licensed and eligible laboratories that conduct drinking water tests were inspected twice in 2013-14.

The ministry has implemented an inspection rating methodology to measure the operational performance of licensed and eligible laboratories during their mandatory inspections. This methodology is similar to the inspection rating approach used for **municipal residential drinking water systems**.

During the reporting period, 42 per cent of licensed and eligible laboratories had inspection ratings of 100 per cent. Overall, all inspections had ratings of 90 per cent or more.

In 2013-14, no orders were issued to licensed and eligible laboratories.

Table 12: Summary of laboratory inspections

Inspection type	2011-12	2012-13	2013-14
Announced	51	53	52
Unannounced	52[1]	53	52
Other[2]	2[3]	2	0
Total	**105**	**108**	**104**
Number of laboratories inspected	53	54[4]	52

1 During 2011-12, one out-of-province laboratory joined the program in progress and received one unannounced inspection.

2 Other inspections included laboratory pre-licensing or relocation inspections.

3 During 2011-12, of the two laboratories that received pre-licensing inspections, one did not receive any other inspection as it was granted its drinking water testing licence less than three months before the fiscal year ended.

4 During 2012-13, one laboratory that joined the licensing program in the second half of the fiscal year was not inspected; another laboratory voluntarily withdrew its licence during this time and was not inspected.

Table 13: Summary of orders issued to licensed laboratories and non-licensed facilities

	2011-12	2012-13	2013-14
Licensed laboratories with orders			
Number of licensed laboratories that received inspection-related orders	0	0	0
Number of licensed laboratories that received non-inspection-related orders	0	1	0
Non-licensed facilities with orders			
Number of non-licensed facilities that received non-inspection-related orders	0	1	0
Total number of orders issued to licensed laboratories and non-licensed facilities (inspection and non-inspection)	**0**	**2**	**0**

Compliance and Enforcement Regulation Requirements

The Compliance and Enforcement Regulation (***O. Reg. 242/05***) of the Safe Drinking Water Act requires the Ministry of the Environment and Climate Change to fulfill a number of specific activities such as taking mandatory actions and conducting inspections of **municipal residential drinking water systems** and laboratories that test Ontario's drinking water.

The ministry met all its obligations under the Compliance and Enforcement Regulation in 2013-14.

Convictions

In 2013-14, there were 18 convictions involving 19 regulated drinking water systems resulting in fines that totalled $150,400.

Table 14: Summary of convictions for drinking water prosecutions by facility type in 2013-14

Facility type	Number of facilities	Number of cases with convictions[1]	Fines
Municipal residential drinking water systems[2]	4	3	$51,500
Non-municipal year-round residential drinking water systems[2,3]	6	6	$36,500
Systems serving designated facilities[2,3]	9	9	$62,400
Schools and day nurseries	0	0	$0
Licensed laboratories	0	0	$0
Total	**19**	**18**	**$150,400**

1 A case may involve one or more charges.
2 For further details, please see **appendices 5, 6,** and **7**.
3 Includes convictions against legal entities and individuals.

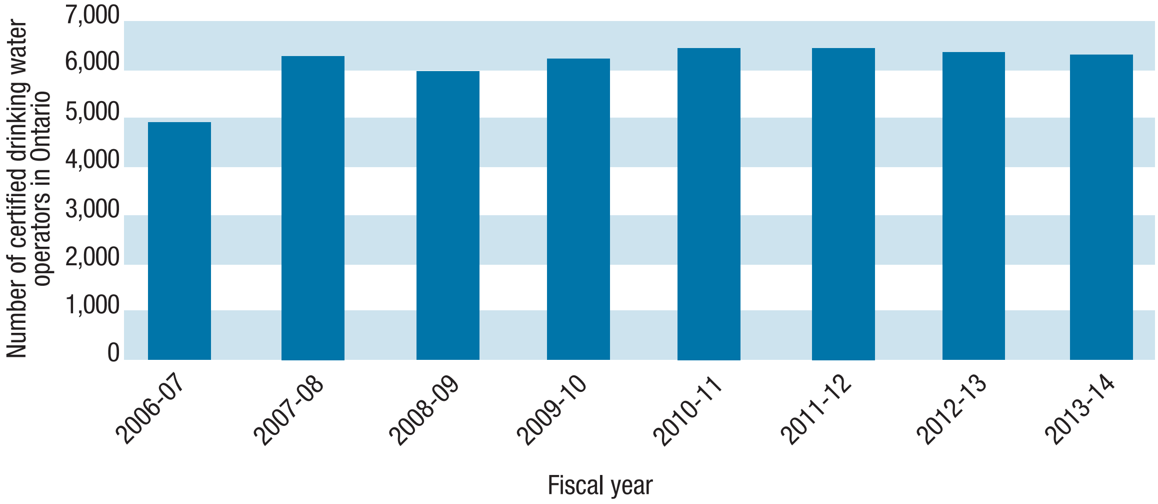
Operator Certification and Training

Ontario certifies and trains operators of regulated drinking water facilities. Once certified, drinking water operators in Ontario must be trained according to the type and class of facility they operate. The more complex a system is (the higher the class of system), the more training an operator must complete. If an operator works in more than one type of drinking water system, he or she may hold multiple certificates.

In 2013-14, 1,288 operator-in-training certificates were issued to 784 new operators. Of these, 24 were issued to 13 First Nations operators.

As of March 31, 2014, 6,321 operators held 8,744 certificates. One hundred and forty-six of them were employed as First Nations system operators across the province. These operators held a total of 219 drinking water operator certificates.

Figure 3: Number of certified drinking water operators in Ontario



The Walkerton Clean Water Centre (the Centre) is one of the ministry's key training partners, offering high quality hands-on operator training both on-site and throughout the province.

As of March 31, 2014, the Centre has trained more than 48,580 new and existing professionals since it opened in 2004.

Operator Certification — Disciplinary Actions

Operators play a key role in safeguarding Ontario's drinking water, and ensuring the public is protected. Unethical behaviour does not happen often, but when it does, the ministry takes it very seriously. Depending on the severity of the incident, the ministry will revoke or suspend operator certificates/licences, or bar an operator from holding future certificates/licences.

In 2013-14, the ministry revoked four certificates held by three operators and suspended the certificates of two others. Additionally, two operators received a written reprimand. Please see **appendix 8** for further details.

Small Drinking Water Systems Program –

Ministry of Health and Long-Term Care

Message from the Chief Medical Officer of Health

As Ontario's Interim Chief Medical Officer of Health, I am pleased to report that 2013-2014 saw another year of excellent program results, demonstrating that the Small Drinking Water Systems Program is working to protect the health of Ontarians.

The Small Drinking Water Systems Program is a unique and innovative program which, since 2008, has been overseen by the Ministry of Health and Long-Term Care and administered by local boards of health. It requires public health inspectors to conduct detailed inspections and risk assessments of all small drinking water systems in Ontario, and provide owner/operators with a tailored, site-specific plan to keep their drinking water safe. This customized approach reduces unnecessary burden on small system owner/operators without compromising strict provincial drinking water standards.

The success of the Small Drinking Water Systems Program has occurred through a shared commitment to excellence by the Ministry of the Environment and Climate Change, in partnership with the Ministry of Health and Long-Term Care, Ontario's boards of health, Public Health Ontario Laboratories, and the Ministry of Natural Resources and Forestry. Thanks to a strong collaboration between these partners, Ontarians continue to benefit from a comprehensive safe drinking water program.

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Interim Chief Medical Officer of Health[3]
Ministry of Health and Long-Term Care

Information in the Small Drinking Water Systems Program Results Section was provided by the Ministry of Health and Long-Term Care. For more information about the Ministry of Health and Long-Term Care's Small Drinking Water Systems Program, please visit ***www.health.gov.on.ca/english/public/program/pubhealth/safewater/safewater_resources.html***.

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[3] Chief Medical Officer of Health from September 2014 to March 2015.

Small Drinking Water Systems Program Results

As of March 31, 2014, there were 12,942 small drinking water systems in Ontario. These systems are located across the province in semi-rural to remote communities and provide drinking water in restaurants, campgrounds, motels and bed and breakfasts, where there is not a municipal drinking water supply.

The Ministry of Health and Long-Term Care's Small Drinking Water Systems Program is regulated under the Health Protection and Promotion Act and its regulations, and is administered by local boards of health (public health units) using a risk-based approach. Following a risk assessment of each system, the public health inspector provides the small drinking water system owner and/or operator with a legally binding directive customized to their system, which may include requirements for water sampling, water treatment options, operational checks and operator training.

A risk assessment begins with a physical (on-site) inspection of the water source, system equipment and components, and documentation relating to the system's water testing and historical sampling results. Public health inspectors input the information into a web-based Risk Categorization Assessment Tool that evaluates all the factors that could influence the drinking water produced by a system and determines a level of risk (low, moderate or high) for the system.

As of March 31, 2014, 12,690 (98 per cent[4]) of the small drinking water systems operating in Ontario have had a risk assessment finalized and 252 are in progress.

Table 15: Small drinking water systems risk assessments

Risk assessments		As of March 31, 2013	As of March 31, 2014
Finalized		10,755	12,690
In progress		466	252
Categories of finalized risk assessments	High	1,789 (16.63%)	1,968 (15.51%)
	Moderate	1,708 (15.88%)	1,938 (15.27%)
	Low	7,258 (67.48%)	8,784 (69.22%)

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[4] The reported percentage of finalized risk assessments will fluctuate as new small drinking water systems are built/come into use, or discontinue operation. The proportion of systems categorized as high, moderate or low risk may also fluctuate. While an initial assessment may result in a high risk categorization, a reassessment may reduce the level of risk if, for example, recommended improvements are taken to reduce the system's risk. Similarly, a system may need to have another risk assessment, for example, if the water source and/or system's integrity has been affected by adverse weather events and/or system modifications are made, to determine if the risk level has changed.

Systems categorized as “high risk” are monitored through more frequent sampling and testing, and are required to be re-inspected every two years. While moderate and low risk systems are also monitored through routine sampling and re-inspections, drinking water is sampled and tested at a lower frequency and these systems are re-inspected every four years.

Table 16: Summary of test results for small drinking water systems by parameter type for April 1, 2013 to March 31, 2014

Parameter type	Number of test results	Number of test results meeting standards	Number of adverse test results	Percentage meeting standards
Microbiological	100,732	98,011	2,721	97.30%
Chemical/ Inorganic	651	572	79	87.86%
Organic	87	86	1	98.85%
Total	**101,470**	**98,669**	**2,801**	**97.24%**

In 2013-14, 97.24 per cent of over 100,000 test results submitted by laboratories on behalf of small drinking water systems met the provincial standards.

Adverse Water Quality Incidents for Small Drinking Water Systems

As the primary contaminant of concern for small drinking water system water is bacteria, operators are required to test for microbiological indicator organisms such as **total coliform** and ***E. coli*** at a frequency outlined in their directive or as set out in regulations. Testing for other contaminants such as chemicals (e.g., nitrates) is only required where the risk assessment determines that other possible contaminants could potentially pose a risk. For example, a small drinking water system that is located near an agricultural or industrial setting may have a requirement in their directive to test for additional chemical parameters.

An adverse test result does not necessarily mean that users are at risk of becoming ill because immediate precautions are taken and **drinking water advisories** are issued where appropriate. If an adverse water quality incident (AWQI) is suspected (e.g., an observation of treatment malfunction) or detected by a test result, a response process is initiated which includes notification of users and the local medical officer of health. Further follow-up is immediately taken to determine if the water poses a risk to health if consumed or used and additional action is taken as required.

Regular sampling of drinking water systems is performed by operators who then submit the water samples to laboratories for testing. Test results are recorded in the Laboratory Result Management System. The Laboratory Result Management System is used for review of small drinking water systems' sampling compliance, test results and AWQIs.

In the event of an adverse test result, the laboratory notifies both the owner and/or operator of the small drinking water system and the local public health unit for immediate response to the incident. Details of AWQIs are also tracked in the Laboratory Result Management System.

During the current reporting period, a total of 2,801 adverse water test results, resulting in 1,340 AWQIs, were reported (from a total of 101,470 sample results). In addition, 177 AWQIs were identified through other means such as observation of treatment malfunction.

As an increasing number of owners and/or operators comply with sampling and monitoring requirements in accordance with their directive, the total number of AWQIs is also expected to rise slightly. For example, the number of AWQIs increased by three per cent from a total of 1,471 AWQIs in 2012-13 (including 155 identified through observation) to 1,517 in 2013-14.

Our adverse water quality incidents data demonstrates the importance of the Small Drinking Water Systems Program because these incidents are being identified and tracked, and immediate action is taken to help protect drinking water users.

Response to Adverse Water Quality Incidents for Small Drinking Water Systems

When an AWQI is detected through an observation or an adverse sample result, the owner and/or operator of the small drinking water system is required to notify the local medical officer of health and to follow up with any instruction that may be issued by a public health inspector or medical officer of health. The local public health unit will perform a risk analysis and take appropriate action to inform and protect the public.

Response to an AWQI may include issuing a **drinking water advisory** that will notify potential users whether the water is safe to use and drink or if it requires boiling to render it safe for use. The local public health unit may also provide the owners and/or operators of a drinking water system with instructions on necessary corrective action(s) to be taken on the affected drinking water system to mitigate the risk.

The Small Drinking Water Systems Program takes a comprehensive and proactive approach to help minimize the occurrence of AWQIs and safeguard water that comes from these systems. Local public health units provide information to owners and/or operators on:

- How to identify possible contaminants at the source
- How and when to test your water
- Treatment options and maintenance of treatment equipment
- When and how to notify users of the drinking water system
- What actions need to be taken to mitigate a problem

Through the Small Drinking Water Systems Program, more operators know how to determine when their water may not be safe to drink and are working closely with public health units to take appropriate corrective actions to protect drinking water users.

The Small Drinking Water Systems Program reflects this government’s commitment to smarter regulatory practices without putting public safety at risk. Together we are working to ensure that drinking water quality standards established for the province are not compromised, while recognizing that these standards can be met in a way that also supports the needs of small system operators.

Glossary

Contravention order: an order a provincial officer may issue under section 105 of the Safe Drinking Water Act if the provincial officer reasonably believes a person is contravening or has contravened a provision of the act or its regulations, an order issued under the act, or a condition in a certificate, permit, licence or approval issued under the act. It may require the ordered party to comply with any directions set out in the order within the time specified.

Drinking water advisory: notice issued by a local medical officer of health when a drinking water problem cannot be corrected simply by boiling the water or through disinfection. Under a drinking water advisory, consumers are advised to use another source of drinking water until further notice.

Drinking water systems serving designated facilities: drinking water systems that only serve designated facilities such as schools (elementary and public), universities, colleges, children and youth care facilities (including day nurseries), health care facilities, children's camps and delivery agent care facilities (including certain hostels).

Escherichia coli (E. coli)**:** a species of bacteria naturally present in the intestines of humans and animals. If animal or human waste containing *E. coli* contaminates drinking water it may cause gastrointestinal disease in humans. Most types of *E. coli* are harmless, but some active strains produce harmful toxins and can cause severe illness and even death.

Local services boards: provide services (including, in some cases, water services) to communities in areas of Northern Ontario without municipal structure. They are established pursuant to the Northern Services Boards Act. Drinking water systems run by local services boards are generally categorized as non-municipal year-round residential drinking water systems under ***O. Reg. 170/03*****.**

Municipal residential drinking water systems: drinking water systems (or part of a drinking water system) that are owned by and/or supply water to a municipality, that serve six or more private residences, and that meet other relevant criteria under the Safe Drinking Water Act and its regulations.

Non-municipal year-round residential drinking water systems: drinking water systems that are not municipal systems (and are not seasonal residential systems) that serve six or more private residences or a trailer park or campground with more than five service connections.

Preventative measures order: an order that a provincial officer may issue under section 106 of the Safe Drinking Water Act to a person who owns, manages or has control of a municipal drinking water system or a regulated non-municipal drinking water system, if the provincial officer considers it necessary for the purposes of the act. Such an order may be issued in the absence of a contravention, and is used to prevent possible future adverse effects.

Radiological parameter: refers to radionuclides which are an unstable form of a chemical element that decays and results in the emission of nuclear radiation.

Total coliform: a group of waterborne bacteria consisting of three main groups with common characteristics that are used to indicate water quality. The presence of total coliform bacteria in water leaving a treatment plant or in any treated water immediately after treatment could indicate inadequate treatment and possible water contamination.

Trihalomethanes: a group of compounds that can form when the chlorine used to disinfect drinking water reacts with naturally occurring organic matter (e.g., decaying leaves and vegetation).

Water quality: a term used to describe the chemical, physical and biological characteristics of water, usually with respect to its suitability for a particular purpose, such as drinking.

Appendices

Appendix 1: Municipal residential drinking water systems' 2013-14 inspection ratings and drinking water quality results (percentage of tests meeting standards)

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Adjala-Tosorontio, Township of	Colgan Drinking Water System	100.00%	100.00%
Adjala-Tosorontio, Township of	Everett Drinking Water System	100.00%	100.00%
Adjala-Tosorontio, Township of	Hockley Drinking Water System	100.00%	100.00%
Adjala-Tosorontio, Township of	Lisle Drinking Water System	100.00%	98.65%
Adjala-Tosorontio, Township of	Loretto Heights Drinking Water System	100.00%	100.00%
Adjala-Tosorontio, Township of	Rosemont Drinking Water System	100.00%	97.50%
Adjala-Tosorontio, Township of	Weca Drinking Water System	100.00%	100.00%
Ajax, Town of	Oshawa-Whitby-Ajax Drinking Water System - Ajax	100.00%	99.94%
Alfred and Plantagenet, Township of	Lefaivre and Plantagent Drinking Water System	100.00%	100.00%
Alfred and Plantagenet, Township of	Wendover Drinking Water System	100.00%	99.81%
Alnwick/Haldimand, Township of	Grafton Drinking Water System	97.24%	100.00%
Amaranth, Township of	Waldemar Drinking Water System	97.24%	99.45%
Amherstburg, Town of	Amherstburg Drinking Water System	93.11%	99.90%
Armstrong, Township of	Earlton Drinking Water System	100.00%	100.00%
Arnprior, Town of	Arnprior Drinking Water System	100.00%	100.00%
Arran-Elderslie, Municipality of	Arran-Elderslie Drinking Water System	100.00%	99.75%
Arran-Elderslie, Municipality of	Tara Drinking Water System	100.00%	100.00%
Ashfield-Colborne-Wawanosh, Township of	Benmiller Drinking Water System	100.00%	97.30%
Ashfield-Colborne-Wawanosh, Township of	Century Heights Subdivision Drinking Water System	100.00%	98.44%
Ashfield-Colborne-Wawanosh, Township of	Courtney Subdivision Distribution System[1]	100.00%	-
Ashfield-Colborne-Wawanosh, Township of	Dungannon Drinking Water System	100.00%	99.51%
Ashfield-Colborne-Wawanosh, Township of	Huron Sands Drinking Water System	100.00%	96.08%
Ashfield-Colborne-Wawanosh, Township of	South Lucknow Distribution System	100.00%	100.00%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Asphodel-Norwood, Township of	Norwood Drinking Water System	99.48%	100.00%
Asphodel-Norwood, Township of	Trentview Estates Distribution System	100.00%	100.00%
Assiginack, Township of	Manitowaning Drinking Water System	100.00%	99.75%
Assiginack, Township of	Sunsite Estates Subdivision Drinking Water System	100.00%	100.00%
Atikokan, Township of	Atikokan Drinking Water System	81.70%	100.00%
Aurora, Town of	Town of Aurora Distribution System	99.03%	99.89%
Aurora, Town of	York Drinking Water System - Aurora	99.45%	100.00%
Aylmer, Town of	Aylmer Area Secondary Water Supply System	98.91%	100.00%
Aylmer, Town of	Aylmer Distribution System	100.00%	99.48%
Bancroft, Town of	Bancroft Drinking Water System	100.00%	99.80%
Barrie, City of	Barrie Drinking Water System	88.85%	99.88%
Bayham, Municipality of	Municipality of Bayham Distribution System	100.00%	100.00%
Bayham, Municipality of	Richmond Community Drinking Water System	100.00%	99.09%
Belleville, City of	Belleville Drinking Water System	100.00%	99.85%
Belleville, City of	Point Anne Hamlet Drinking Water System	100.00%	100.00%
Billings, Township of	Kagawong Drinking Water System	96.66%	100.00%
Black River-Matheson, Township of	Holtyre Drinking Water System	100.00%	100.00%
Black River-Matheson, Township of	Matheson Drinking Water System	100.00%	100.00%
Black River-Matheson, Township of	Ramore Drinking Water System	100.00%	100.00%
Black River-Matheson, Township of	Val Gagne Drinking Water System	99.08%	100.00%
Blandford-Blenheim, Township of	Bright Drinking Water System	100.00%	100.00%
Blandford-Blenheim, Township of	Drumbo Drinking Water System	97.17%	99.48%
Blandford-Blenheim, Township of	Plattsville Drinking Water System	97.03%	100.00%
Blind River, Town of	Blind River Drinking Water System	92.99%	99.65%
Bluewater, Municipality of	Bluewater Lakeshore Distribution System	100.00%	99.72%
Bluewater, Municipality of	Carriage Lane Drinking Water System	100.00%	100.00%
Bluewater, Municipality of	Harbour Lights Drinking Water System	100.00%	100.00%
Bluewater, Municipality of	Hensall Distribution System	100.00%	100.00%
Bluewater, Municipality of	Zurich Drinking Water System	96.89%	99.80%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Bonnechere Valley, Township of	Eganville Drinking Water System	100.00%	100.00%
Bracebridge, Town of	Bracebridge (Kirby's Beach) Drinking Water System	97.14%	99.86%
Bradford West Gwillimbury, Town of	Bradford/Bondhead Drinking Water System	100.00%	100.00%
Brant, County of	Airport Drinking Water System	100.00%	100.00%
Brant, County of	Cainsville-King George Road Distribution System - Cainsville Distribution System	92.58%	100.00%
Brant, County of	Cainsville-King George Road Distribution System - King George Road Distribution System	100.00%	100.00%
Brant, County of	Mt. Pleasant Drinking Water System	98.97%	100.00%
Brant, County of	Paris Drinking Water System	98.22%	100.00%
Brant, County of	St. George Drinking Water System	100.00%	100.00%
Brantford, City of	City of Brantford Drinking Water System	97.70%	99.71%
Brighton, Municipality of	Brighton Springs Drinking Water System	100.00%	100.00%
Brock, Township of	Beaverton Drinking Water System	100.00%	99.63%
Brock, Township of	Cannington Drinking Water System	100.00%	100.00%
Brock, Township of	Sunderland Drinking Water System	100.00%	100.00%
Brockton, Municipality of	Chepstow Drinking Water System	100.00%	97.66%
Brockton, Municipality of	Lake Rosalind Drinking Water System	100.00%	100.00%
Brockton, Municipality of	Town of Hanover Drinking Water System	100.00%	100.00%
Brockton, Municipality of	Walkerton Drinking Water System	100.00%	98.64%
Brockville, City of	Brockville Drinking Water System	100.00%	99.44%
Brooke-Alvinston, Municipality of	Alvinston Distribution System	88.85%	100.00%
Bruce Mines, Town of	Bruce Mines Drinking Water System	100.00%	100.00%
Burk's Falls, Village of	Burk's Falls Drinking Water System	93.92%	99.79%
Burlington, City of	South Halton Drinking Water System - Bridgeview Community Distribution System	100.00%	100.00%
Burlington, City of	South Halton Drinking Water System - Burlington	100.00%	100.00%
Burlington, City of	South Halton Drinking Water System - North Aldershot Distribution System	100.00%	100.00%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Burlington, City of	South Halton Drinking Water System - Snake Road Distribution System	100.00%	99.12%
Caledon, Town of	Caledon Village And Alton Drinking Water System	100.00%	100.00%
Caledon, Town of	Cheltenham Drinking Water System	100.00%	100.00%
Caledon, Town of	Inglewood Drinking Water System	98.38%	100.00%
Caledon, Town of	Palgrave-Caledon East Drinking Water System	100.00%	100.00%
Callander, Municipality of	Callander Drinking Water System	93.87%	100.00%
Cambridge, City of	Cambridge Distribution System	100.00%	99.89%
Cambridge, City of	Region of Waterloo Drinking Water System - Cambridge	100.00%	99.84%
Carleton Place, Town of	Carleton Place Drinking Water System	100.00%	100.00%
Casselman, Village of	Casselman Drinking Water System	100.00%	100.00%
Cavan-Monaghan, Township of	Millbrook Drinking Water System	100.00%	100.00%
Central Elgin, Municipality of	Belmont Drinking Water System	99.39%	100.00%
Central Elgin, Municipality of	Central Elgin Distribution System	100.00%	100.00%
Central Elgin, Municipality of	Elgin Area Primary Water Supply System	93.40%	100.00%
Central Huron, Municipality of	Auburn Drinking Water System	100.00%	100.00%
Central Huron, Municipality of	Clinton Drinking Water System	100.00%	100.00%
Central Huron, Municipality of	Kelly Drinking Water System	100.00%	98.92%
Central Huron, Municipality of	McClinchey Drinking Water System	100.00%	100.00%
Central Huron, Municipality of	S.A.M. Drinking Water System	100.00%	98.92%
Central Huron, Municipality of	Van de Wetering Drinking Water System	100.00%	98.92%
Central Manitoulin, Municipality of	Mindemoya Drinking Water System	100.00%	100.00%
Centre Wellington, Township of	Centre Wellington Drinking Water System	100.00%	99.97%
Champlain, Township of	Laurentian Park Distribution System	100.00%	100.00%
Champlain, Township of	L'Orignal Distribution System	100.00%	98.55%
Champlain, Township of	Vankleek Hill Distribution System	94.57%	100.00%
Chapleau, Township of	Chapleau Drinking Water System	96.15%	100.00%
Chapple, Township of	Barwick Drinking Water System	100.00%	100.00%
Charlton and Dack, Municipality of	Bradley Subdivision Distribution System	100.00%	93.55%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Charlton and Dack, Municipality of	Charlton Drinking Water System	100.00%	100.00%
Chatham-Kent, Municipality of	Bothwell Distribution System	100.00%	100.00%
Chatham-Kent, Municipality of	Chatham-Kent Drinking Water System - Chatham	91.60%	99.83%
Chatham-Kent, Municipality of	Chatham-Kent Drinking Water System - South Chatham-Kent	100.00%	99.76%
Chatham-Kent, Municipality of	Chatham-Kent Drinking Water System - Wallaceburg	100.00%	99.87%
Chatham-Kent, Municipality of	Chatham-Kent Drinking Water System - Wheatley	98.36%	99.58%
Chatham-Kent, Municipality of	Highgate Drinking Water System	100.00%	99.10%
Chatham-Kent, Municipality of	Ridgetown Drinking Water System	100.00%	99.30%
Chatsworth, Township of	Chatsworth Drinking Water System	100.00%	100.00%
Chatsworth, Township of	Walter's Falls Drinking Water System	100.00%	100.00%
Clarence-Rockland, City of	Rockland Drinking Water System	100.00%	99.81%
Clarington, Municipality of	Bowmanville Drinking Water System	100.00%	100.00%
Clarington, Municipality of	Newcastle Drinking Water System	100.00%	100.00%
Clarington, Municipality of	Orono Drinking Water System	100.00%	100.00%
Clearview, Township of	Buckingham Woods Drinking Water System	100.00%	99.22%
Clearview, Township of	Colling-Woodlands Drinking Water System	100.00%	100.00%
Clearview, Township of	Creemore Drinking Water System	95.49%	99.78%
Clearview, Township of	New Lowell Drinking Water System	95.76%	99.78%
Clearview, Township of	Nottawa Drinking Water System	91.78%	100.00%
Clearview, Township of	Stayner Drinking Water System	95.49%	100.00%
Cobalt, Town of	Cobalt Drinking Water System	95.47%	100.00%
Cobourg, Town of	Cobourg Drinking Water System	100.00%	100.00%
Cochrane, Town of	Cochrane Drinking Water System	100.00%	100.00%
Coleman, Township of	Coleman Distribution System[1]	100.00%	-
Collingwood, Town of	Collingwood Drinking Water System	100.00%	100.00%
Cornwall, City of	Cornwall Drinking Water System	100.00%	100.00%
Cramahe, Township of	Colborne Drinking Water System	100.00%	99.57%
Dawn-Euphemia, Township of	Dawn-Euphemia Distribution System	100.00%	100.00%
Deep River, Town of	Deep River Drinking Water System	100.00%	99.83%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Deseronto, Town of	Deseronto Drinking Water System	89.96%	99.80%
Dryden, City of	Dryden Drinking Water System	85.89%	99.80%
Dubreuilville, Township of	Dubreuilville Drinking Water System	100.00%	100.00%
Dutton/Dunwich, Municipality of	Dutton-Dunwich Distribution System	85.26%	100.00%
Ear Falls, Township of	Ear Falls Drinking Water System	92.96%	99.79%
East Garafraxa, Township of	Marsville Subdivision Drinking Water System	100.00%	100.00%
East Gwillimbury, Town of	Holland Landing/Queensville/ Sharon Distribution System	89.06%	100.00%
East Gwillimbury, Town of	Mount Albert Distribution System	89.81%	100.00%
East Gwillimbury, Town of	Mount Albert Drinking Water System	100.00%	100.00%
East Gwillimbury, Town of	Yonge-Green Lane Distribution System	100.00%	100.00%
East Gwillimbury, Town of	York Drinking Water System - Holland Landing	100.00%	100.00%
East Gwillimbury, Town of	York Drinking Water System - Queensville	100.00%	100.00%
East Luther Grand Valley, Township of	Grand Valley Drinking Water System	98.43%	99.64%
East Zorra-Tavistock, Township of	Hickson Drinking Water System	100.00%	99.21%
East Zorra-Tavistock, Township of	Innerkip Drinking Water System	100.00%	99.35%
East Zorra-Tavistock, Township of	Tavistock Drinking Water System	96.92%	100.00%
Edwardsburgh/Cardinal, Township of	Bennett Street Drinking Water System	100.00%	100.00%
Edwardsburgh/Cardinal, Township of	Cardinal Drinking Water System	100.00%	99.84%
Edwardsburgh/Cardinal, Township of	Edwardsburgh Industrial Park Distribution System	100.00%	100.00%
Elizabethtown-Kitley, Township of	Elizabethtown - Kitley Distribution System[1]	100.00%	-
Elliot Lake, City of	Elliot Lake Drinking Water System	96.06%	99.74%
Emo, Township of	Emo Drinking Water System	96.95%	99.62%
Englehart, Town of	Englehart Drinking Water System	97.07%	100.00%
Enniskillen, Township of	Enniskillen Township Distribution System	100.00%	100.00%
Erin, Town of	Erin Drinking Water System	100.00%	100.00%
Erin, Town of	Hillsburgh Drinking Water System	100.00%	99.25%
Espanola, Town of	Espanola Drinking Water System	97.25%	99.84%
Essa, Township of	Angus Drinking Water System	100.00%	100.00%
Essa, Township of	Baxter Distribution System	100.00%	100.00%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Essa, Township of	Glen Avenue (Thornton) Drinking Water System	100.00%	99.73%
Essex, Town of	Essex Drinking Water System - Essex Distribution System	100.00%	99.85%
Essex, Town of	Essex Drinking Water System - Harrow-Colchester South	100.00%	99.90%
Fauquier-Strickland, Township of	Fauquier Drinking Water System	91.60%	99.50%
Fort Erie, Town of	Fort Erie Distribution System	100.00%	99.74%
Fort Erie, Town of	Rosehill Drinking Water System	100.00%	99.88%
Fort Frances, Town of	Fort Frances Drinking Water System	100.00%	99.49%
Front of Yonge, Township of	Miller Manor Apartments Drinking Water System	100.00%	100.00%
Galway-Cavendish and Harvey, Township of	Alpine/Pirates Glen Drinking Water System	100.00%	100.00%
Galway-Cavendish and Harvey, Township of	Buckhorn Lake Estates Drinking Water System	100.00%	100.00%
Gananoque, Town of	James W. King Drinking Water System	100.00%	100.00%
Georgian Bay, Township of	Mactier (Beech) Drinking Water System	100.00%	100.00%
Georgian Bay, Township of	Port Severn (Lone Pine) Drinking Water System	100.00%	100.00%
Georgian Bluffs, Township of	East Linton Drinking Water System	100.00%	100.00%
Georgian Bluffs, Township of	Oxenden Distribution System	100.00%	100.00%
Georgian Bluffs, Township of	Pottawatomi Drinking Water System	100.00%	100.00%
Georgian Bluffs, Township of	Shallow Lake Drinking Water System	100.00%	100.00%
Georgina, Town of	Georgina Drinking Water System - Georgina	100.00%	100.00%
Georgina, Town of	Georgina Drinking Water System - Keswick	100.00%	100.00%
Georgina, Town of	Keswick-Sutton Distribution System	100.00%	100.00%
Goderich, Town of	Goderich Drinking Water System	100.00%	100.00%
Gore Bay, Town of	Gore Bay Drinking Water System	100.00%	99.78%
Gravenhurst, Town of	Gravenhurst (Muskoka Beach) Drinking Water System	100.00%	100.00%
Greater Napanee, Town of	A.L. Dafoe Drinking Water System	100.00%	100.00%
Greater Napanee, Town of	Sandhurst Shores Drinking Water System	100.00%	100.00%
Greater Sudbury, City of	Dowling Drinking Water System	100.00%	100.00%
Greater Sudbury, City of	Falconbridge Drinking Water System	100.00%	100.00%
Greater Sudbury, City of	Onaping/Levack Drinking Water System	100.00%	100.00%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Greater Sudbury, City of	Sudbury Drinking Water System - David St.	100.00%	99.81%
Greater Sudbury, City of	Sudbury Drinking Water System - Garson	100.00%	99.85%
Greater Sudbury, City of	Sudbury Drinking Water System - Wahnapitei	100.00%	99.09%
Greater Sudbury, City of	Valley Drinking Water System	96.20%	99.96%
Greater Sudbury, City of	Vermilion Drinking Water System	100.00%	100.00%
Greater Sudbury, City of	Vermillion Distribution System	100.00%	100.00%
Greenstone, Municipality of	Beardmore Drinking Water System	100.00%	100.00%
Greenstone, Municipality of	Caramat Drinking Water System	95.16%	100.00%
Greenstone, Municipality of	Geraldton Drinking Water System	88.21%	99.39%
Greenstone, Municipality of	Longlac Drinking Water System	98.08%	100.00%
Greenstone, Municipality of	Nakina Drinking Water System	72.40%	100.00%
Grey Highlands, Municipality of	Kimberley-Amik-Talisman Drinking Water System	100.00%	100.00%
Grey Highlands, Municipality of	Markdale Drinking Water System	100.00%	100.00%
Grimsby, Town of	Grimsby Distribution System	100.00%	99.86%
Grimsby, Town of	Grimsby Drinking Water System	100.00%	99.90%
Guelph, City of	Guelph Drinking Water System	94.49%	99.92%
Guelph/Eramosa, Township of	Gazer Mooney Subdivision Distribution System	100.00%	100.00%
Guelph/Eramosa, Township of	Hamilton Drive Drinking Water System	100.00%	100.00%
Guelph/Eramosa, Township of	Rockwood Drinking Water System	100.00%	100.00%
Haldimand County	Caledonia and Cayuga Distribution System	100.00%	99.87%
Haldimand County	Dunnville Drinking Water System	100.00%	99.69%
Haldimand County	Nanticoke Drinking Water System	100.00%	99.78%
Halton Hills, Town of	Acton Drinking Water System	100.00%	99.94%
Halton Hills, Town of	Georgetown Drinking Water System	100.00%	99.75%
Hamilton, City of	Carlisle Drinking Water System	97.29%	100.00%
Hamilton, City of	Freelton Drinking Water System	100.00%	99.57%
Hamilton, City of	Greensville Drinking Water System	100.00%	100.00%
Hamilton, City of	Hamilton Drinking Water System - Fifty Road Distribution System	100.00%	99.16%
Hamilton, City of	Hamilton Drinking Water System - Woodward	97.23%	99.78%
Hamilton, City of	Lynden Drinking Water System	96.97%	100.00%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Hamilton, Township of	Camborne Drinking Water System	100.00%	100.00%
Hamilton, Township of	Creighton Heights Drinking Water System	100.00%	100.00%
Hamilton, Township of	Hamilton Township Distribution System[1]	100.00%	-
Havelock-Belmont-Methuen, Township of	Havelock Drinking Water System	97.58%	100.00%
Hawkesbury, Town of	Hawkesbury Drinking Water System	100.00%	100.00%
Hearst, Town of	Hearst Drinking Water System	91.33%	99.86%
Highlands East, Municipality of	Cardiff Drinking Water System	99.51%	100.00%
Highlands East, Municipality of	Dyno Estates Drinking Water System	100.00%	99.59%
Hilton Beach, Village of	Hilton Beach Drinking Water System	100.00%	100.00%
Hornepayne, Township of	Herbert Avenue Drinking Water System	100.00%	99.15%
Huntsville, Town of	Huntsville (Fairyview) Drinking Water System	100.00%	99.75%
Huntsville, Town of	Port Sydney (Clarke Well) Drinking Water System	100.00%	100.00%
Huron East, Municipality of	Brucefield Drinking Water System	100.00%	100.00%
Huron East, Municipality of	Brussels Drinking Water System	100.00%	99.47%
Huron East, Municipality of	Seaforth Drinking Water System	100.00%	100.00%
Huron East, Municipality of	Vanastra Distribution System	100.00%	100.00%
Huron-Kinloss, Township of	Huronville Subdivision Distribution System[1]	100.00%	-
Huron-Kinloss, Township of	Lakeshore Drinking Water System	100.00%	99.36%
Huron-Kinloss, Township of	Lucknow Drinking Water System	91.65%	99.11%
Huron-Kinloss, Township of	Ripley Drinking Water System	100.00%	99.40%
Huron-Kinloss, Township of	Whitechurch Drinking Water System	100.00%	100.00%
Ignace, Township of	Ignace Drinking Water System	100.00%	99.78%
Ingersoll, Town of	Ingersoll Drinking Water System	100.00%	99.92%
Innisfil, Town of	Alcona Drinking Water System	100.00%	99.93%
Innisfil, Town of	Churchill Drinking Water System	100.00%	99.40%
Innisfil, Town of	Cookstown Drinking Water System	100.00%	100.00%
Innisfil, Town of	Goldcrest Drinking Water System	100.00%	100.00%
Innisfil, Town of	Innisfil Heights Drinking Water System	100.00%	100.00%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Innisfil, Town of	Stroud Drinking Water System	100.00%	100.00%
Iroquois Falls, Town of	Iroquois Falls Drinking Water System	100.00%	99.16%
Iroquois Falls, Town of	Monteith Correctional Complex Drinking Water System	100.00%	100.00%
Iroquois Falls, Town of	Monteith Distribution System	100.00%	100.00%
Iroquois Falls, Town of	Porquis Junction Drinking Water System	100.00%	100.00%
James, Township of	Elk Lake Drinking Water System	100.00%	100.00%
Johnson, Township of	Desbarats Drinking Water System	100.00%	100.00%
Kapuskasing, Town of	Kapuskasing Drinking Water System	100.00%	99.62%
Kawartha Lakes, City of	Birchpoint Estates Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Bobcaygeon Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Canadiana Shores Drinking Water System	100.00%	99.80%
Kawartha Lakes, City of	Fenelon Falls Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Janetville Drinking Water System	100.00%	99.79%
Kawartha Lakes, City of	King's Bay Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Kinmount Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Lindsay Drinking Water System	100.00%	99.62%
Kawartha Lakes, City of	Manilla Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Manorview Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Mariposa Estates Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Norland Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Omemee Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Pinewood Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Pleasant Point Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Sonya Village Subdivision Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Southview Estates Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Victoria Place Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Western Trent/Palmina Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Woodfield Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Woodville Drinking Water System	100.00%	100.00%
Kenora, City of	Kenora Area Drinking Water System	98.97%	100.00%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Killaloe, Hagarty and Richards, Township of	Killaloe Drinking Water System	100.00%	100.00%
Killarney, Municipality of	Killarney Drinking Water System	92.00%	99.54%
Kincardine, Municipality of	Armow Drinking Water System	100.00%	100.00%
Kincardine, Municipality of	Kincardine Drinking Water System	96.06%	99.86%
Kincardine, Municipality of	Scott Point Drinking Water System	100.00%	98.94%
Kincardine, Municipality of	Tiverton Drinking Water System	100.00%	99.06%
Kincardine, Municipality of	Underwood Drinking Water System	100.00%	98.94%
King, Township of	Ansnorveldt Distribution System	100.00%	99.55%
King, Township of	Ansnorveldt Drinking Water System	100.00%	100.00%
King, Township of	King City Distribution System	100.00%	99.65%
King, Township of	King City Drinking Water System	100.00%	100.00%
King, Township of	Nobleton Distribution System	100.00%	100.00%
King, Township of	Nobleton Drinking Water System	100.00%	100.00%
King, Township of	Schomberg Distribution System	100.00%	100.00%
King, Township of	Schomberg Drinking Water System	100.00%	100.00%
Kingston, City of	Cana Drinking Water System	100.00%	100.00%
Kingston, City of	Kingston Drinking Water System - King Street	100.00%	99.83%
Kingston, City of	Kingston Drinking Water System - Point Pleasant	100.00%	100.00%
Kingsville, Town of	Kingsville Distribution System	100.00%	99.70%
Kingsville, Town of	Union Area Water Supply System	82.51%	100.00%
Kirkland Lake, Town of	Kirkland Lake Drinking Water System	100.00%	99.88%
Kitchener, City of	Kitchener Distribution System	100.00%	99.80%
Kitchener, City of	Region of Waterloo Drinking Water System - Kitchener	100.00%	100.00%
Kitchener, City of	Region of Waterloo Drinking Water System - Mannheim	100.00%	100.00%
Lake of Bays, Township of	Birch Glen (Baysville) Drinking Water System	100.00%	99.81%
Lakeshore, Town of	Town of Lakeshore Drinking Water System - Tecumseh Distribution System	100.00%	100.00%
Lakeshore, Town of	Town of Lakeshore Drinking Water System - Union Distribution System	100.00%	99.78%
Lakeshore, Town of	Town of Lakeshore Drinking Water System	100.00%	99.63%
Lakeshore, Town of	Town of Lakeshore Drinking Water System - Stoney Point	100.00%	99.88%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Lambton Shores, Municipality of	East Lambton Shores Distribution System	100.00%	99.77%
Lambton Shores, Municipality of	West Lambton Shores Distribution System	100.00%	100.00%
Larder Lake, Township of	Larder Lake Drinking Water System	100.00%	100.00%
LaSalle, Town of	Town of Lasalle Distribution System	100.00%	100.00%
Latchford, Town of	Latchford Drinking Water System	95.26%	100.00%
Laurentian Hills, Town of	Chalk River Drinking Water System	100.00%	100.00%
Laurentian Valley, Township of	Laurentian Valley Distribution System	100.00%	99.63%
Leamington, Municipality of	Leamington Distribution System - Union Distribution System	95.40%	100.00%
Leamington, Municipality of	Leamington Distribution System - Wheatley Distribution System	100.00%	100.00%
Leeds and the Thousand Islands, Township of	Lansdowne Drinking Water System	100.00%	100.00%
Lincoln, Town of	Beamsville Distribution System	100.00%	98.74%
Lincoln, Town of	Jordan-Vineland Distribution System	100.00%	99.02%
London, City of	City of London Distribution System	100.00%	99.82%
Loyalist, Township of	Bath Drinking Water System	100.00%	100.00%
Loyalist, Township of	Fairfield Drinking Water System	100.00%	100.00%
Lucan Biddulph, Township of	Lucan Biddulph Distribution System	100.00%	100.00%
Macdonald, Meredith and Aberdeen Additional, Township of	Echo Bay Drinking Water System	100.00%	100.00%
Machin, Township of	Vermilion Bay Drinking Water System	100.00%	100.00%
Madawaska Valley, Township of	Barry's Bay Drinking Water System	100.00%	100.00%
Madoc, Township of	Madoc Drinking Water System	97.12%	100.00%
Malahide, Township of	Malahide Distribution System	100.00%	100.00%
Malahide, Township of	Port Burwell Area Secondary Water Supply System	95.21%	100.00%
Manitouwadge, Township of	Manitouwadge Drinking Water System	100.00%	100.00%
Mapleton, Township of	Drayton Drinking Water System	95.41%	100.00%
Mapleton, Township of	Moorefield Drinking Water System	100.00%	100.00%
Marathon, Town of	Marathon Drinking Water System	98.36%	99.89%
Markham, Town of	Markham Distribution System	86.31%	99.64%
Markham/Richmond Hill/ Vaughan, Municipalities of	York Drinking Water System - York Distribution System	100.00%	99.95%
Markstay-Warren, Municipality of	Markstay Distribution System	73.89%	100.00%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Markstay-Warren, Municipality of	Warren Drinking Water System	84.27%	99.41%
Marmora and Lake, Municipality of	Deloro Drinking Water System	100.00%	100.00%
Marmora and Lake, Municipality of	Marmora Drinking Water System	95.84%	100.00%
Matachewan, Township of	Matachewan Drinking Water System	100.00%	100.00%
Mattawa, Town of	Mattawa Drinking Water System	100.00%	100.00%
Mattice-Val Côté, Township of	Mattice Drinking Water System	100.00%	99.76%
McDougall, Township of	McDougall Nobel Distribution System	94.62%	100.00%
McGarry, Township of	Virginiatown-Kearns Drinking Water System	100.00%	100.00%
Meaford, Municipality of	Leith Distribution System	100.00%	100.00%
Meaford, Municipality of	Meaford Drinking Water System	96.07%	100.00%
Merrickville-Wolford, Village of	Merrickville Drinking Water System	100.00%	100.00%
Middlesex Centre, Municipality of	Birr Drinking Water System	100.00%	98.92%
Middlesex Centre, Municipality of	Melrose Drinking Water System	100.00%	100.00%
Middlesex Centre, Municipality of	Middlesex Centre Distribution System - Middlesex Centre Distribution System	100.00%	99.50%
Midland, Town of	Midland Drinking Water System	100.00%	100.00%
Milton, Town of	Campbellville Drinking Water System	100.00%	100.00%
Milton, Town of	South Halton Drinking Water System - Milton	100.00%	99.81%
Minden Hills, Township of	Lutterworth Pines Drinking Water System	100.00%	99.02%
Minden Hills, Township of	Minden Drinking Water System	98.41%	100.00%
Minto, Town of	Clifford Drinking Water System	98.28%	100.00%
Minto, Town of	Harriston Drinking Water System	100.00%	99.89%
Minto, Town of	Minto Pines Subdivision Drinking Water System	100.00%	99.24%
Minto, Town of	Palmerston Drinking Water System	97.01%	100.00%
Mississauga, City of	South Peel Distribution System	96.99%	99.94%
Mississauga, City of	South Peel Drinking Water System - Lakeview	100.00%	99.84%
Mississauga, City of	South Peel Drinking Water System - Lorne Park	90.89%	99.84%
Mississippi Mills, Town of	Mississippi Mills Drinking Water System	100.00%	100.00%
Mono, Town of	Cardinal Woods Drinking Water System	100.00%	100.00%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Mono, Town of	Island Lake Drinking Water System	97.26%	100.00%
Montague, Township of	Montague Distribution System	84.21%	100.00%
Moonbeam, Township of	Moonbeam Drinking Water System	100.00%	100.00%
Moosonee, Town of	Moosonee Drinking Water System	91.40%	99.28%
Morris-Turnberry, Municipality of	Belgrave Drinking Water System	100.00%	99.50%
Mulmur, Township of	Mansfield Drinking Water System	95.20%	100.00%
Muskoka Lakes, Township of	Bala (Minto) Drinking Water System	96.92%	99.80%
Muskoka Lakes, Township of	Port Carling (Ferndale) Drinking Water System	100.00%	100.00%
Nairn and Hyman, Township of	Nairn Centre Drinking Water System	100.00%	100.00%
New Tecumseth, Town of	Alliston Drinking Water System	92.99%	99.87%
New Tecumseth, Town of	Tottenham Drinking Water System	100.00%	99.24%
Newbury, Village of	Newbury (West Elgin Area Water Supply) Distribution System	100.00%	100.00%
Newmarket, Town of	Newmarket Distribution System	90.99%	99.81%
Newmarket, Town of	York Drinking Water System - Newmarket	100.00%	100.00%
Niagara Falls, City of	City of Niagara Falls Distribution System	99.01%	99.90%
Niagara Falls, City of	Decew Falls-Niagara Falls Drinking Water System - Niagara Falls	91.83%	100.00%
Niagara-on-the-Lake, Town of	Bevan Heights Distribution System	97.70%	100.00%
Niagara-on-the-Lake, Town of	Niagara-on -the-Lake Distribution System	94.62%	99.90%
Nipigon, Township of	Nipigon Drinking Water System	85.25%	100.00%
Norfolk County	Delhi Drinking Water System	100.00%	99.80%
Norfolk County	Port Dover Drinking Water System	100.00%	100.00%
Norfolk County	Port Rowan Drinking Water System	100.00%	99.81%
Norfolk County	Simcoe Drinking Water System	100.00%	100.00%
Norfolk County	Waterford Drinking Water System	100.00%	100.00%
North Bay, City of	North Bay Drinking Water System	93.79%	99.83%
North Dumfries, Township of	Ayr Drinking Water System	100.00%	99.86%
North Dumfries, Township of	Branchton Drinking Water System	100.00%	100.00%
North Dumfries, Township of	Region of Waterloo Drinking Water System - Lloyd Brown Distribution System	100.00%	100.00%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
North Dumfries, Township of	Roseville Drinking Water System	100.00%	98.97%
North Dundas, Township of	Chesterville Drinking Water System	97.02%	100.00%
North Glengarry, Township of	Alexandria Drinking Water System	100.00%	100.00%
North Glengarry, Township of	Glen Robertson Drinking Water System	100.00%	100.00%
North Grenville, Municipality of	Kemptville Drinking Water System	100.00%	99.87%
North Huron, Township of	Blyth Drinking Water System	100.00%	100.00%
North Huron, Township of	Wingham Drinking Water System	100.00%	100.00%
North Middlesex, Municipality of	North Middlesex Distribution System	82.13%	100.00%
North Perth, Municipality of	Atwood Drinking Water System	98.16%	100.00%
North Perth, Municipality of	Gowanstown Subdivision Drinking Water System	100.00%	100.00%
North Perth, Municipality of	Listowel Drinking Water System	91.26%	100.00%
North Perth, Municipality of	Molesworth Drinking Water System	100.00%	100.00%
North Stormont, Township of	Crysler Drinking Water System	100.00%	100.00%
North Stormont, Township of	Finch Drinking Water System	100.00%	100.00%
North Stormont, Township of	Moose Creek Drinking Water System	100.00%	100.00%
Northeastern Manitoulin and The Islands, Town of	Little Current Drinking Water System	100.00%	100.00%
Northeastern Manitoulin and The Islands, Town of	Sheguiandah Drinking Water System	100.00%	100.00%
Northern Bruce Peninsula, Municipality of	Lion's Head Drinking Water System	100.00%	99.76%
Norwich, Township of	Norwich Drinking Water System	100.00%	100.00%
Norwich, Township of	Oxford South Drinking Water System	96.94%	100.00%
Oakville, Town of	South Halton Drinking Water System - Burloak	100.00%	99.71%
Oakville, Town of	South Halton Drinking Water System - Oakville	100.00%	100.00%
Oakville, Town of	South Halton Drinking Water System - South Halton Distribution System	100.00%	99.97%
Oil Springs, Village of	Oil Springs Water Distribution System	89.39%	100.00%
Oliver Paipoonge, Municipality of	Rosslyn Village Subdivision Drinking Water System	97.19%	100.00%
Opasatika, Township of	Opasatika Drinking Water System	100.00%	100.00%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Orangeville, Town of	Orangeville Drinking Water System	91.32%	99.94%
Orillia, City of	Orillia Drinking Water System	100.00%	99.80%
Oro-Medonte, Township of	Canterbury Drinking Water System	100.00%	100.00%
Oro-Medonte, Township of	Cedar Brook Drinking Water System	100.00%	100.00%
Oro-Medonte, Township of	Craighurst Drinking Water System	100.00%	100.00%
Oro-Medonte, Township of	Harbourwood Drinking Water System	100.00%	100.00%
Oro-Medonte, Township of	Horseshoe Highlands Drinking Water System	100.00%	100.00%
Oro-Medonte, Township of	Maplewood Drinking Water System	100.00%	100.00%
Oro-Medonte, Township of	Medonte Hills Drinking Water System	95.79%	99.71%
Oro-Medonte, Township of	Robin Crest Drinking Water System	95.79%	99.71%
Oro-Medonte, Township of	Shanty Bay Drinking Water System	95.79%	99.70%
Oro-Medonte, Township of	Sugar Bush Drinking Water System	100.00%	100.00%
Oro-Medonte, Township of	Warminster Drinking Water System	95.79%	98.89%
Oshawa, City of	Oshawa-Whitby-Ajax Drinking Water System - Oshawa	100.00%	99.93%
Otonabee-South Monaghan, Township of	Elgeti And Crystal Springs Subdivisions Drinking Water System	100.00%	100.00%
Otonabee-South Monaghan, Township of	Keene Heights Subdivision Drinking Water System	100.00%	99.52%
Ottawa, City of	Carp Drinking Water System	100.00%	99.88%
Ottawa, City of	Central Drinking Water System - Britannia	100.00%	99.88%
Ottawa, City of	Central Drinking Water System - Lemieux Island	100.00%	100.00%
Ottawa, City of	Kings Park Drinking Water System	100.00%	99.81%
Ottawa, City of	Munster Hamlet Drinking Water System	100.00%	99.88%
Ottawa, City of	Shadow Ridge Drinking Water System	100.00%	100.00%
Ottawa, City of	Vars Drinking Water System	100.00%	100.00%
Owen Sound, City of	Owen Sound Drinking Water System	100.00%	100.00%
Parry Sound, Town of	Parry Sound Drinking Water System	98.21%	100.00%
Pelham, Town of	Pelham Distribution System	100.00%	100.00%
Pembroke, City of	Pembroke Drinking Water System	100.00%	99.91%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Penetanguishene, Town of	Lepage Subdivision (Penetanguishene) Drinking Water System	100.00%	99.34%
Penetanguishene, Town of	Payette (Penetanguishene) Drinking Water System	99.17%	99.60%
Perth East, Township of	Milverton Drinking Water System	96.17%	100.00%
Perth East, Township of	Shakespeare Drinking Water System	100.00%	100.00%
Perth South, Township of	Sebringville Drinking Water System	100.00%	100.00%
Perth South, Township of	St. Pauls Drinking Water System	100.00%	100.00%
Perth, Town of	Perth Drinking Water System	98.30%	100.00%
Petawawa, Town of	Petawawa Drinking Water System	100.00%	99.90%
Peterborough, City of	Peterborough Drinking Water System	100.00%	99.78%
Petrolia, Town of	Petrolia Drinking Water System	82.35%	100.00%
Pickle Lake, Township of	Pickle Lake Drinking Water System	98.21%	100.00%
Plympton-Wyoming, Town of	Plympton-Wyoming Distribution System	91.08%	100.00%
Point Edward, Village of	Village of Point Edward Distribution System	100.00%	100.00%
Port Colborne, City of	Port Colborne Distribution System	100.00%	99.88%
Port Colborne, City of	Port Colborne Drinking Water System	100.00%	100.00%
Port Hope, Municipality of	Port Hope Drinking Water System	100.00%	100.00%
Powassan, Municipality of	Powassan Drinking Water System	97.15%	99.39%
Prescott, Town of	Prescott Drinking Water System	99.12%	100.00%
Prince Edward, County of	Ameliasburgh Hamlet Drinking Water System	95.63%	96.51%
Prince Edward, County of	Consecon/Carrying Place Distribution System	96.30%	99.64%
Prince Edward, County of	Fenwood Gardens/Rossmore Distribution System	86.79%	99.38%
Prince Edward, County of	Peats Point Subdivision Drinking Water System	91.36%	100.00%
Prince Edward, County of	Picton Drinking Water System	98.58%	99.85%
Prince Edward, County of	Wellington Drinking Water System	89.48%	100.00%
Quinte West, City of	Bayside Drinking Water System	100.00%	100.00%
Quinte West, City of	Frankford-Batawa Drinking Water System	100.00%	100.00%
Quinte West, City of	Trenton Drinking Water System	100.00%	99.90%
Rainy River, Town of	Rainy River Drinking Water System	92.48%	99.57%
Ramara, Township of	Bayshore Village Subdivision Drinking Water System	100.00%	100.00%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Ramara, Township of	Brechin & Lagoon City Drinking Water System	100.00%	100.00%
Ramara, Township of	Davy Drive Subdivision Drinking Water System	100.00%	99.67%
Ramara, Township of	Park Lane Subdivision Drinking Water System	97.28%	100.00%
Ramara, Township of	Somerset/ Knob Hill Distribution System	100.00%	99.54%
Ramara, Township of	South Ramara Drinking Water System	100.00%	100.00%
Ramara, Township of	Val Harbour Subdivision Drinking Water System	100.00%	100.00%
Red Lake, Municipality of	Balmertown Cochenour Mackenzie Island Drinking Water System	100.00%	99.87%
Red Lake, Municipality of	Madsen Drinking Water System	82.54%	100.00%
Red Lake, Municipality of	Red Lake Drinking Water System	91.73%	99.65%
Red Rock, Township of	Red Rock Drinking Water System	95.33%	100.00%
Renfrew, Town of	Renfrew Drinking Water System	100.00%	100.00%
Richmond Hill, Town of	Richmond Hill Distribution System	100.00%	99.66%
Russell, Township of	Russell Distribution System	100.00%	99.58%
Sables-Spanish Rivers, Township of	Massey Drinking Water System	92.91%	100.00%
Sarnia, City of	Lambton Area Water Supply System	100.00%	100.00%
Sarnia, City of	Sarnia Distribution System	100.00%	100.00%
Saugeen Shores, Town of	Saugeen Shores Drinking Water System	100.00%	99.88%
Sault Ste. Marie, City of	Sault Ste. Marie Drinking Water System	100.00%	99.97%
Schreiber, Township of	Schreiber Drinking Water System	100.00%	100.00%
Scugog, Township of	Blackstock Drinking Water System	100.00%	100.00%
Scugog, Township of	Greenbank Drinking Water System	98.90%	100.00%
Scugog, Township of	Port Perry Drinking Water System	97.37%	99.91%
Severn, Township of	Bass Lake Woodlands Drinking Water System	100.00%	100.00%
Severn, Township of	Coldwater Drinking Water System	100.00%	99.78%
Severn, Township of	Sandcastle Estates Drinking Water System	100.00%	100.00%
Severn, Township of	Severn Estates Drinking Water System	100.00%	100.00%
Severn, Township of	Washago Drinking Water System	95.87%	100.00%
Severn, Township of	West Shore Drinking Water System	100.00%	100.00%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Shelburne, Town of	Shelburne Drinking Water System	97.14%	100.00%
Sioux Lookout, Municipality of	Hudson Drinking Water System	90.95%	100.00%
Sioux Lookout, Municipality of	Sioux Lookout Urban Drinking Water System	100.00%	99.39%
Smith-Ennismore-Lakefield, Township of	Lakefield Drinking Water System	95.85%	100.00%
Smith-Ennismore-Lakefield, Township of	Woodland Acres Subdivision Distribution System	100.00%	100.00%
Smiths Falls, Town of	Smiths Falls Drinking Water System	100.00%	99.90%
Smooth Rock Falls, Town of	Smooth Rock Falls Drinking Water System	95.90%	100.00%
South Bruce, Municipality of	Mildmay Drinking Water System	100.00%	100.00%
South Bruce, Municipality of	Teeswater Drinking Water System	100.00%	99.20%
South Bruce Peninsula, Town of	Amabel-Sauble Drinking Water System	100.00%	100.00%
South Bruce Peninsula, Town of	Foreman Drinking Water System	100.00%	100.00%
South Bruce Peninsula, Town of	Huron Woods Drinking Water System	100.00%	99.21%
South Bruce Peninsula, Town of	Oliphant Drinking Water System	100.00%	99.14%
South Bruce Peninsula, Town of	Wiarton Drinking Water System	100.00%	100.00%
South Dundas, Township of	South Dundas Regional Drinking Water System	96.92%	100.00%
South Frontenac, Township of	Sydenham Drinking Water System	100.00%	99.77%
South Glengarry, Township of	Glen Walter Drinking Water System	100.00%	100.00%
South Glengarry, Township of	Lancaster Drinking Water System	100.00%	100.00%
South Glengarry, Township of	Redwood Estates Drinking Water System	100.00%	99.49%
South Huron, Municipality of	Lake Huron Primary Water Supply System	87.91%	100.00%
South Huron, Municipality of	South Huron Distribution System	100.00%	99.90%
South River, Village of	South River Drinking Water System	95.66%	100.00%
South Stormont, Township of	Long Sault/Ingleside Regional Drinking Water System	100.00%	100.00%
South Stormont, Township of	Newington Drinking Water System	100.00%	100.00%
South Stormont, Township of	St. Andrews/Rosedale Terrace Distribution System	100.00%	100.00%
Southgate, Township of	Dundalk Drinking Water System	100.00%	100.00%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Southwest Middlesex, Municipality of	Southwest Middlesex Distribution System	100.00%	99.87%
South-West Oxford, Township of	Beachville Drinking Water System	100.00%	100.00%
South-West Oxford, Township of	Brownsville Drinking Water System	96.91%	100.00%
South-West Oxford, Township of	Dereham Centre Drinking Water System	100.00%	100.00%
South-West Oxford, Township of	Mount Elgin Drinking Water System	100.00%	100.00%
Southwold, Township of	Southwold Distribution System	86.45%	100.00%
Spanish, Town of	Spanish Drinking Water System	94.77%	100.00%
Springwater, Township of	Anten Mills Drinking Water System	100.00%	99.69%
Springwater, Township of	Del Trend Subdivision Drinking Water System	100.00%	100.00%
Springwater, Township of	Elmvale Drinking Water System	100.00%	100.00%
Springwater, Township of	Hillsdale Drinking Water System	100.00%	100.00%
Springwater, Township of	Midhurst Drinking Water System	100.00%	99.68%
Springwater, Township of	Minesing Drinking Water System	100.00%	100.00%
Springwater, Township of	Phelpston Drinking Water System	100.00%	100.00%
Springwater, Township of	Snow Valley Highlands Drinking Water System	100.00%	99.79%
Springwater, Township of	Vespra Downs Subdivision Drinking Water System	100.00%	100.00%
St. Catharines, City of	Decew Falls-Niagara Falls Drinking Water System - Decew Falls	100.00%	100.00%
St. Catharines, City of	St. Catharines Distribution System	96.87%	99.86%
St. Clair, Township of	St. Clair Distribution System	100.00%	100.00%
St. Joseph, Township of	Richards Landing Drinking Water System	100.00%	100.00%
St. Marys, Town of	St. Marys Drinking Water System	80.79%	100.00%
St. Thomas, City of	City of St. Thomas Distribution System	100.00%	99.87%
St. Thomas, City of	St. Thomas Area Secondary Water Supply System	100.00%	99.29%
Stirling-Rawdon, Township of	Stirling Drinking Water System	95.63%	100.00%
Stratford, City of	Stratford Drinking Water System	100.00%	98.77%
Strathroy-Caradoc, Township of	Strathroy-Caradoc Distribution System - Strathroy Distribution System	100.00%	100.00%
Tay, Township of	Rope Drinking Water System	94.44%	100.00%
Tay, Township of	Victoria Harbour Drinking Water System	100.00%	99.74%
Tecumseh, Town of	Tecumseh Distribution System	100.00%	100.00%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Tehkummah, Township of	South Baymouth Drinking Water System	100.00%	100.00%
Temagami, Municipality of	Temagami North Drinking Water System	95.30%	100.00%
Temagami, Municipality of	Temagami South Drinking Water System	100.00%	99.75%
Temiskaming Shores, City of	Dymond Drinking Water System	95.74%	100.00%
Temiskaming Shores, City of	Haileybury Drinking Water System	93.40%	99.83%
Temiskaming Shores, City of	New Liskeard Drinking Water System	100.00%	100.00%
Terrace Bay, Township of	Terrace Bay Drinking Water System	93.58%	99.60%
Thames Centre, Municipality of	Dorchester Drinking Water System	98.22%	100.00%
Thames Centre, Municipality of	Thorndale Drinking Water System	99.02%	99.76%
The Blue Mountains, Town of	Thornbury Drinking Water System	100.00%	100.00%
The Nation, Municipality of	Limoges Drinking Water System	79.96%	100.00%
The Nation, Municipality of	St. Isidore Distribution System	79.61%	100.00%
The North Shore, Township of	Pronto East Subdivision Drinking Water System	100.00%	99.48%
The North Shore, Township of	Serpent River Drinking Water System	98.30%	100.00%
Thessalon, Town of	Thessalon Drinking Water System	100.00%	100.00%
Thorold, City of	Thorold (Decew) Distribution System	95.27%	100.00%
Thorold, City of	Thorold (Port Robinson) Distribution System	95.03%	100.00%
Thunder Bay, City of	Bare Point Road Drinking Water System	96.24%	99.49%
Tillsonburg, Town of	Tillsonburg Drinking Water System	90.20%	100.00%
Timmins, City of	Timmins Drinking Water System	95.80%	99.75%
Tiny, Township of	Bluewater Drinking Water System	100.00%	100.00%
Tiny, Township of	Castle Cove Drinking Water System	97.23%	100.00%
Tiny, Township of	Cook's Lake Drinking Water System	100.00%	100.00%
Tiny, Township of	Georgian Bay Estates Drinking Water System	100.00%	99.53%
Tiny, Township of	Georgian Sands Drinking Water System	94.22%	99.42%
Tiny, Township of	Lafontaine Drinking Water System	100.00%	98.32%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Tiny, Township of	Lefaive Drinking Water System	100.00%	99.21%
Tiny, Township of	Pennorth Drinking Water System	100.00%	100.00%
Tiny, Township of	Perkinsfield Drinking Water System	100.00%	100.00%
Tiny, Township of	Rayko Drinking Water System	100.00%	100.00%
Tiny, Township of	Sawlog Bay Drinking Water System	100.00%	99.24%
Tiny, Township of	Tee Pee Point Drinking Water System	100.00%	100.00%
Tiny, Township of	Thunder Bay Drinking Water System	96.08%	100.00%
Tiny, Township of	Vanier Woods Drinking Water System	100.00%	100.00%
Tiny, Township of	Whip-Poor-Will Drinking Water System	95.60%	100.00%
Tiny, Township of	Woodland Beach Drinking Water System	100.00%	100.00%
Tiny, Township of	Wyevale Drinking Water System	100.00%	100.00%
Toronto, City of	City of Toronto Drinking Water System - F. J. Horgan	95.70%	100.00%
Toronto, City of	City of Toronto Drinking Water System - R. L.Clark	100.00%	100.00%
Toronto, City of	City of Toronto Drinking Water System - R.C.Harris	94.60%	99.97%
Toronto, City of	City of Toronto Drinking Water System - Toronto Distribution System	100.00%	98.79%
Toronto, City of	City of Toronto Drinking Water System - Toronto Island	99.35%	100.00%
Trent Hills, Municipality of	Campbellford Drinking Water System	100.00%	99.72%
Trent Hills, Municipality of	Hastings Drinking Water System	100.00%	100.00%
Trent Hills, Municipality of	Warkworth Drinking Water System	100.00%	100.00%
Tweed, Municipality of	Tweed Drinking Water System	100.00%	100.00%
Uxbridge, Township of	Uxbridge Drinking Water System	100.00%	100.00%
Val Rita-Harty, Township of	Val Rita Drinking Water System	99.12%	100.00%
Vaughan, City of	Kleinburg Distribution System	100.00%	99.25%
Vaughan, City of	Kleinburg Drinking Water System	100.00%	100.00%
Vaughan, City of	Vaughan Distribution System	100.00%	99.69%
Warwick, Township of	Township of Warwick Distribution System	100.00%	100.00%
Wasaga Beach, Town of	Wasaga Beach Drinking Water System	99.19%	99.64%
Waterloo, City of	City of Waterloo Distribution System	100.00%	99.64%
Waterloo, City of	Region of Waterloo Drinking Water System - Waterloo	99.09%	100.00%
Wawa, Municipality of	Wawa Drinking Water System	100.00%	100.00%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Welland, City of	Welland Distribution System	100.00%	99.85%
Welland, City of	Welland Drinking Water System	100.00%	99.86%
Wellesley, Township of	Linwood Drinking Water System	100.00%	100.00%
Wellesley, Township of	St. Clements Drinking Water System	100.00%	100.00%
Wellesley, Township of	Wellesley Drinking Water System	100.00%	100.00%
Wellington North, Township of	Arthur Drinking Water System	100.00%	100.00%
Wellington North, Township of	Mount Forest Drinking Water System	100.00%	100.00%
West Elgin, Municipality of	West Elgin Drinking Water System	99.43%	100.00%
West Grey, Municipality of	Durham Drinking Water System	100.00%	100.00%
West Grey, Municipality of	Neustadt Drinking Water System	100.00%	100.00%
West Lincoln, Township of	Smithville Distribution System	94.90%	100.00%
West Nipissing, Municipality of	Sturgeon Falls Drinking Water System	97.95%	100.00%
West Nipissing, Municipality of	Verner Drinking Water System	91.94%	99.83%
West Perth, Municipality of	Mitchell Drinking Water System	83.49%	100.00%
Westport, Village of	Westport Drinking Water System	88.60%	100.00%
Whitby, Town of	Oshawa-Whitby-Ajax Drinking Water System - Whitby	100.00%	99.92%
Whitchurch-Stouffville, Town of	Ballantrae-Musselman Lake Distribution System	100.00%	100.00%
Whitchurch-Stouffville, Town of	Ballantrae-Musselman's Drinking Water System	100.00%	100.00%
Whitchurch-Stouffville, Town of	Stouffville Distribution System	100.00%	99.87%
Whitchurch-Stouffville, Town of	York Drinking Water System - Stouffville	100.00%	100.00%
White River, Township of	White River Drinking Water System	100.00%	99.75%
Whitewater Region, Township of	Beachburg Drinking Water System	100.00%	100.00%
Whitewater Region, Township of	Cobden Drinking Water System	100.00%	100.00%
Whitewater Region, Township of	Haley Drinking Water System	100.00%	100.00%
Wilmot, Township of	Foxboro Drinking Water System	100.00%	100.00%
Wilmot, Township of	New Dundee Distribution System	100.00%	100.00%
Wilmot, Township of	New Dundee Drinking Water System	100.00%	100.00%
Wilmot, Township of	New Hamburg-Baden Distribution System	100.00%	100.00%
Wilmot, Township of	Region of Waterloo Drinking Water System - Mannheim Village	96.24%	100.00%

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2013-14 Inspection rating	2013-14 Drinking water quality (% tests meeting standards)
Wilmot, Township of	Region of Waterloo Drinking Water System - New Hamburg-Baden	99.32%	100.00%
Wilmot, Township of	Region of Waterloo Drinking Water System -Shingletown	95.12%	100.00%
Wilmot, Township of	St. Agatha Distribution System	100.00%	100.00%
Windsor, City of	City of Windsor Drinking Water System	100.00%	99.86%
Woodstock, City of	Woodstock Drinking Water System	98.31%	99.84%
Woolwich, Township of	Conestogo Golf Distribution System	100.00%	100.00%
Woolwich, Township of	Conestogo Golf Drinking Water System	100.00%	100.00%
Woolwich, Township of	Conestogo Plains Distribution System	100.00%	100.00%
Woolwich, Township of	Conestogo Plains Drinking Water System	100.00%	100.00%
Woolwich, Township of	Elmira-St. Jacobs-Breslau Distribution System - Breslau Distribution System	100.00%	99.76%
Woolwich, Township of	Elmira-St. Jacobs-Breslau Distribution System - Elmira-St. Jacobs Distribution System	100.00%	99.55%
Woolwich, Township of	Heidelberg Distribution System	97.42%	100.00%
Woolwich, Township of	Heidelberg Drinking Water System	100.00%	100.00%
Woolwich, Township of	Maryhill Drinking Water System - Maryhill	100.00%	100.00%
Woolwich, Township of	Maryhill Drinking Water System - Maryhill Village Heights	100.00%	100.00%
Woolwich, Township of	Maryhill Heights Distribution System	95.21%	100.00%
Woolwich, Township of	Maryhill Isley Distribution System	100.00%	100.00%
Woolwich, Township of	West Montrose Distribution System	100.00%	100.00%
Woolwich, Township of	West Montrose Drinking Water System	100.00%	100.00%
Zorra, Township of	Embro Drinking Water System	96.92%	100.00%
Zorra, Township of	Lakeside Drinking Water System	95.59%	100.00%
Zorra, Township of	Thamesford Drinking Water System	95.72%	100.00%

1 Only municipal residential drinking water systems that supply drinking water are required to collect and submit samples for testing. The five drinking water systems that have agreements in place to have their water supplied by other municipal residential drinking water systems do not collect and submit samples for testing.

Appendix 2: Status of corrosion control plans in 2013-14

Municipality	Date municipality identified for corrosion control	Corrosion control strategy	Status
Gananoque, The Corporation of the Separated Town of	October 15, 2008	• Lead service line replacement • Use of corrosion inhibitor	• Corrosion control plan – implementation underway
Hamilton, City of	October 15, 2008	• Pilot scale study to evaluate the use of a corrosion inhibitor	• Corrosion control plan – implementation underway • Full scale use of a corrosion inhibitor scheduled for 2014
London, The Corporation of the City of	October 15, 2008	• Lead service line replacement • pH adjustment of water • Public awareness/outreach	• Corrosion control plan – implementation underway • Lead service line replacement ongoing • Reduced lead levels confirmed
Red Lake, The Corporation of the Municipality of	October 15, 2008	• pH adjustment of water	• Corrosion control plan – implementation underway • Reduced lead levels confirmed
Sioux Lookout, The Corporation of the Municipality of	October 15, 2008	• pH adjustment of water	• Corrosion control plan – implementation underway • Reduced lead levels confirmed
Smiths Falls, The Corporation of the Separated Town of	October 15, 2008	• pH adjustment of water	• Corrosion control plan – implementation underway • Reduced lead levels confirmed
Terrace Bay, The Corporation of the Township of	October 15, 2008	• Use of a corrosion inhibitor	• Corrosion control plan – implementation underway
Thunder Bay, The Corporation of the City of	October 15, 2008	• Lead service line replacement • Cleaning and rehabilitation of older watermains • pH adjustment of water	• Corrosion control plan – implementation underway • Lead service line replacement ongoing
Windsor, City of	October 15, 2008	• Pilot scale study to evaluate the use of a corrosion inhibitor • Lead service line replacement	• Corrosion control plan – implementation underway • Lead service line replacement ongoing • Full scale use of a corrosion inhibitor scheduled for 2014
Ear Falls, The Corporation of the Township of	April 1, 2009	• pH adjustment of water	• Corrosion control plan – implementation underway • Reduced lead levels confirmed

Municipality	Date municipality identified for corrosion control	Corrosion control strategy	Status
Toronto, City of	October 15, 2009	- Lead service line replacement - Use of a corrosion inhibitor	- Corrosion control plan – implementation underway - Lead service line replacement ongoing
Guelph, The Corporation of the City of	October 15, 2008	- Lead service line replacement	- Lead service line replacement ongoing
Lucan Biddulph, The Corporation of the Township of	October 15, 2008	- Lead service line replacement	- Lead service line replacement completed
Owen Sound, The Corporation of the City of	October 15, 2008	- Lead service line replacement	- Lead service line replacement completed
Sarnia, The City of	October 15, 2008	- Lead service line replacement	- Lead service line replacement ongoing
Welland, The Corporation of the City of	October 15, 2008	- Lead service line replacement	- Lead service line replacement ongoing
Woolwich, The Corporation of the Township of	October 15, 2009	- Lead service line replacement	- Lead service line replacement ongoing
Arnprior, The Corporation of the Town of	October 15, 2008	- Treatment plant upgrades	- Completed modifications to its treatment process, undertook additional community lead sampling and will be submitting a corrosion control plan to the ministry
Brantford, The Corporation of the City of	October 15, 2008	- Treatment plant upgrades - Lead service line replacement	- Pursuing an alternative lead control strategy to replace lead service lines
Sault Ste. Marie, City of	October 15, 2008	- pH adjustment of water - Use of a corrosion inhibitor	- Corrosion control plan is on hold while the city is evaluating additional actions and/ or upgrades to their water treatment process and system

Appendix 3: Summary of municipal residential drinking water systems receiving contravention orders as a result of an inspection in 2013-14

Drinking water system owner	Drinking water system name	Date order issued	Order synopsis
Blind River, The Corporation of the Town of	Blind River Drinking Water System	May 15, 2014	• Provide written confirmation that employees working in the distribution system are provided with the Ministry of the Environment and Climate Change's "Certification Guide for Operators and Water Quality Analysts of Drinking Water Systems (dated April 2010)", and the American Water Works Association's Standard C651-05: "Disinfecting Water Mains". • Provide written confirmation that at least one distribution staff has registered for the Walkerton Clean Water Centre course entitled "Entry-Level Drinking Water Operator Course". • Provide written confirmation that a licensed operator will be present when required, prior to work being performed in the distribution system.
Greenstone, The Corporation of the Municipality of	Nakina Drinking Water System	December 13, 2013	• Submit a review of the alarms (i.e. low residual chlorine, turbidity and low level in the clearwell) including the alarms that were activated, the value/reading when activated, the time of the alarm, and the person who acknowledged the alarm. • Submit a review of whether there were any alarms that did not work as intended. • Submit a review of the after-hours alarms and related call-out(s), including the person(s)/location(s) contacted and the time of the call. • Provide records of the adjustments made to the low level alarm set-point for the clearwell.

Appendix 4: Summary of municipal residential drinking water systems receiving preventative measures orders in 2013-14

Drinking water system owner	Drinking water system name	Date order issued	Order synopsis
Sioux Lookout, The Corporation of the Municipality of	Sioux Lookout Urban Drinking Water System	November 29, 2013	• Temporary relief from regulatory requirements was provided during plant upgrades. The operator requested relief from continuous monitoring of post-clearwell residual chlorine as the computers controlling the automation were not fully operational. • This included allowing the operator to manually collect grab samples once every 30 minutes and record the date, time and name of the individual conducting the tests in place of the continuous monitoring equipment.

Appendix 5: Summary of municipal residential drinking water system convictions – April 1, 2013 to March 31, 2014[1]

Owner and/or operator of drinking water system	System name	Synopsis	Charges laid	Conviction	Fine
Atikokan, The Corporation of the Town of	Atikokan Drinking Water System	Failing to comply with a Provincial Officer's Order, failing to operate the drinking system in accordance with the Certificate of Approval and failing to provide written notice of adverse water quality	February 6, 2013	June 28, 2013	$18,000
Westport, The Corporation of the Village of	Westport Drinking Water System	Failing to ensure that every operator employed in the subsystem held a certificate applicable to that type of subsystem	July 29, 2013	January 8, 2014	$3,500
Veolia Water Canada Inc.	Carriage Lane and Harbour Lights Drinking Water Systems	Failing to ensure that every operator employed in the subsystem held a certificate applicable to that type of subsystem	January 25, 2013	January 21, 2014	$30,000
Total					**$51,500**

[1] Conviction statistics in this table reflect the year in which the conviction took place, not the year the offence was committed.

Appendix 6: Summary of non-municipal year-round residential drinking water system convictions – April 1, 2013 to March 31, 2014[1]

Location of system	Synopsis	Charges laid	Conviction	Fine
7 Cochrane Lane Mobile Home Well Supply	An individual was convicted for offences that relate to failing to ensure water treatment equipment was in operation whenever water was being supplied, and failing to ensure that all sampling and testing for microbiological and chemical parameters was carried out	July 10, 2013	February 24, 2014	$4,000.00
Crystal Beach Resort Well Supply	A legal entity and an individual were convicted for offences that relate to hindering a provincial officer in the performance of his/her duties, failing to ensure that prepared reports were available during inspection, and failing to provide documents to the ministry by a specific date	July 11, 2013	March 18, 2014	$12,000.00
Sunshine Motel & RV Centre Well Supply	An individual was convicted for failing to comply with a Provincial Officer's Order to perform specified microbiological sampling	November 21, 2012	September 16, 2013	$2,500.00
Maple Grove Trailer Park Well Supply	A legal entity and two individuals were convicted for offences that relate to failing to ensure that drinking water treatment equipment was operated in compliance with the regulatory requirements	March 14, 2013	August 12, 2013	$9,500.00
Parkwood Villa Well Supply	An individual was convicted for failing to comply with a Provincial Officer's Order by not providing the name of the certified operator of the system by a specified date	October 15, 2012	April 5, 2013	$3,500.00
All Season's Trailer Park Well Supply	An individual was convicted for offences that relate to the operation of a drinking water system not in compliance with regulatory requirements and failing to ensure that the drinking water system was operated by persons having the training or expertise for their operating functions	February 4, 2013	June 27, 2013	$5,000.00
TOTAL				**$36,500.00**

[1] Conviction statistics in this table reflect the year in which the conviction took place, not the year the offence was committed.

Appendix 7: Summary of systems serving designated facilities convictions – April 1, 2013 to March 31, 2014[1]

Location of system	Synopsis	Charges laid	Conviction	Fine
Dorion Bible Camp Well Supply	A legal entity was convicted for offences that relate to failing to provide adequate equipment to provide primary disinfection, failing to report improperly disinfected water and failing to immediately take corrective actions and restore primary disinfection	January 31, 2013	August 16, 2013	$6,000.00
Camp Couchiching Water Treatment Plant	A legal entity was convicted for offences that relate to failing to collect the required number of microbiological samples	July 9, 2013	November 25, 2013	$1,500.00
Camp Smitty Eganville Water Supply System	A legal entity was convicted for offences that relate to failing to ensure a drinking water system was operated by a properly certified or trained person	August 29, 2013	January 24, 2014	$4,800.00
Savant Lake Public School Well Supply	A legal entity was convicted for failing to immediately report a prescribed adverse result of a drinking water test	July 8, 2013	November 29, 2013	$3,000.00
Upsala Public School Well Supply	A legal entity was convicted for offences that relate to failing to ensure that water treatment equipment was in operation whenever water was being supplied, failing to ensure that a drinking water system was operated by persons having the training or expertise for their operating functions and failing to ensure that a water sample was taken at least every day in the treatment process	July 8, 2013	November 29, 2013	$9,000.00
Camp Frenda Water Treatment Plant	A legal entity was convicted for offences that relate to failing to report an observation that a drinking water system was providing users drinking water that had not been disinfected in accordance with the ministry's "Procedure for Disinfection of Drinking Water in Ontario"	July 9, 2013	March 18, 2014	$7,000.00

Location of system	Synopsis	Charges laid	Conviction	Fine
Camp Kwasind Well Supply	A legal entity was convicted for offences that relate to failing to comply with a prescribed maintenance schedule and failing to ensure a number of regularly prescribed distribution samples were taken	July 9, 2013	October 29, 2013	$8,000.00
Camp Muskoka Well Supply	A legal entity and two individuals were convicted for offences that relate to failing to ensure that at all times and at all locations within the drinking water distribution system, water treatment equipment was operated so that when providing chlorination, free residual chlorine was never less than 0.05 milligrams per litre, and failing to immediately report, on separate occasions, a prescribed adverse result of less than 0.05 milligrams per litre, and for failing to ensure that every test was conducted by a trained person	February 6, 2013	August 13, 2013	$9,600.00
Bernier Stokes Elementary School Well Supply	A legal entity was convicted for offences that relate to failing to properly operate and maintain a drinking water system and failing to notify the ministry of inadequately disinfected drinking water	August 28, 2013	January 31, 2014	$13,500.00
TOTAL				**$62,400.00**

1 Conviction statistics in this table reflect the year in which the conviction took place, not the year the offence was committed.

Appendix 8: Disciplinary actions taken against certified operators in 2013-2014

Operator:	Reason:	Action taken:
#1[1]	While designated as the overall responsible operator, the operator repeatedly failed to report adverse test results of residual chlorine below 0.05 milligrams per litre within the distribution system, falsified log entries, and knowingly provided false information to a provincial officer.	• Revoked operator's Class 2 Water Distribution and Supply Certificate. • Operator was barred from holding future Drinking Water Certificates.
#2[1]	Operator failed to report adverse results of residual chlorine below 0.05 milligrams per litre within the distribution system to the Ministry of the Environment and Climate Change and Ministry of Health and Long-Term Care.	• Suspended operator's Class 2 Water Distribution certificate for three years.
#3[1]	Operator failed to report adverse results of residual chlorine below 0.05 milligrams per litre within the distribution system to the Ministry of the Environment and Climate Change and Ministry of Health and Long-Term Care.	• Suspended operator's Class 1 Water Distribution certificate for three years.
#4	Operator was dismissed from employment for repeatedly falsifying drinking water records and failing to adequately sample the drinking water.	• Revoked operator's Class 1 Water Treatment certificate.
#5	Operator was dismissed from employment for repeatedly falsifying drinking water records and failing to adequately sample the drinking water.	• Revoked operator's Class 2 Water Treatment and Class 1 Water Distribution and Supply certificates.
#6[1]	Operator failed to collect microbiological samples following watermain repairs and was operating without a valid drinking water certificate.	• The Director issued the operator a written reprimand.
#7[1]	Operator failed to collect microbiological samples following watermain repairs and was operating without a valid drinking water certificate.	• The Director issued the operator a written reprimand.

[1] In addition to the disciplinary actions described above, the operators were convicted under the Safe Drinking Water Act and fined between $1, 000 and $15,000.

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